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Oil, Paint and Drug Reporter

Founded 1871 by William O. Allison

Volume 132 NOVEMBER 29, 1937 Number 22

Chemical Workers And Payrolls Down

Employment Still 6 Percent Above Corresponding 1936 Figure

Employment in factories engaged in the manufacture of chemicals and related products in the United States recorded a decrease from September 15 to October 15, 1937, a decline of 0.6 percent being reported by the Bureau of Labor Statistics. At the end of the monthly period employment stood 6.2 percent above the corresponding level of October, 1936. Payroll totals showed a drop of 0.3 percent in the monthly period, and stood 21.0 percent above the corresponding level for October, 1936.

The Bureau of Labor Statistics' index number for factory employment in the chemical group of industries, October 15, 1937, was 127.8 (100=1923-25 average), compared with 128.6 for September, and 120.3 for October, 1936. For payroll totals the index number was 138.5 (same basis), compared with 139.0 for September, and 114.4 for October, 1936.

The bureau's general index numbers for all manufacturing industries, October 15, 1937, showed the following comparisons:—

	Oct., 1937.	Sept., 1937.	Oct., 1936.
Employment	100.4	102.1	96.7
Payroll totals	100.2	100.1	89.0

Employment in the chemical group of industries October 15, 1937, was 27.2 percent above the general average for all industries, and 32 percent above the general average for October, 1936. Payroll totals were 38 percent above the general average for all industries October 15, 1937, and 55 percent above the general average for October, 1937.

Detailed Comparisons

Employment

(100=1923-25 average)

	Oct., 1937.	Sept., 1937.	Oct., 1936.
Chemicals	135.2	137.4	129.9
Cottonseed oil, cake and meal	127.9	120.7	103.5
Druggists' preparations	114.6	114.1	104.4
Explosives	97.3	97.6	93.2
Fertilizers	81.5	84.6	76.9
Paints and varnishes	131.6	132.4	128.6
Petroleum refining	125.8	127.2	120.6
Rayon and allied products	407.1	407.1	361.5
Soap	102.5	103.1	107.1

(Continued on page 29)

N.Y. Textile Chemists Discuss Casein Wool

Synthetic wool and modern hydrogen potential measurement were actively discussed at the November meeting of the New York section of the American Association of Textile Chemists and Colorists, held November 19, in the Chemists' Club, this city.

The discussion of "Lanital" and other synthetic wools followed an address on the topic by C. Scholer, of the National Fabrics Corporation. "Lanital," he said, is a synthetic wool being manufactured by the Snia Viscosa organization in Italy for the past two years. The primary raw material for its manufacture is skimmed milk. This is first processed to free it of fats to less than one-tenth of one percent, after which casein is made from it to be converted into synthetic wool pound for pound. He said that 100 gallons of skimmed milk yields approximately 6 pounds of casein.

The conversion of casein into synthetic wool is accomplished, Mr. Scholer said, by making a viscoid solution, much as in rayon manufacture, ejecting this liquid from a spinneret into a hot sulphuric acid bath, then passing the thread into a salt bath, followed by a fixation bath of formaldehyde and steam drying. The thread is then cut into staples of the desired size.

(Continued on page 29)

Drug Law Strengthening Urged

Secretary Wallace Asks Congress for Changes That Will Meet Sulphanilamide Elixir Problem

WASHINGTON, Nov. 26, 1937.

Senator Royal S. Copeland of New York announced today that he would press for immediate legislation to strengthen the food and drugs act as recommended in Secretary Wallace's report on the sulphanilamide elixir matter.

WASHINGTON, Nov. 25, 1937.

Strengthening of the food and drugs act in four respects is recommended to Congress by Henry A. Wallace, Secretary of Agriculture, in a report submitted pursuant to the resolutions in which the senate and house called for information on the recent deaths attributed to the use of "Elixir of Sulphanilamide" made by the S. E. Massengill Company, Bristol, Tenn., and containing diethyleneglycol as a solvent.

The four provisions recommended by Secretary Wallace as necessary for the adequate protection of the public comprise (1) license control of new drugs; (2) prohibition of drugs that are dangerous to health when used as directed; (3) full and appropriate directions for use and warnings against contraindications on the labels of drugs; (4) prohibition of secret remedies by requiring that labels disclose fully the composition of drugs.

Most of Elixir Recovered

The secretary's report to Congress is in part a detailed history of the poisonings attributed to the Massengill elixir and an account of the vigorous efforts made by the Food and Drug Administration to remove this product from the market and to get it out of the hands of persons to whom it had been supplied as a medicine. The co-operation of the manufacturer is reported, and Mr. Wallace says that, with a very few exceptions, the officials had the full co-operation of doctors and druggists who had stocked or dispensed the drug.

Of the 240 gallons of the elixir manufactured, 228 gallons and 2 pints were seized under Federal and State laws. About one-half of the remainder was recovered before it had been consumed.

Some comment is made on previous activities of the Massengill company and of H. C. Watkins, the chemist who formulated the elixir and who joined the Massengill organization in 1935. It is also stated that no pharmacologic or toxicologic test of the elixir was made.

Limitations of the Law

The difficulty of proceeding against the sulphanilamide elixir under the law is set forth by Secretary Wallace, and he comments on this aspect as follows:—

As indicated earlier in this report, the only basis of action under the food and drugs act against the interstate distribution of the "elixir" was the allegation that the word implies an alcoholic solution whereas the product was a diethyleneglycol solution. The fact that the law contains no specific definition of "elixir" may be responsible for Dr. Massengill's statement in his letter to the American Medical Association, carried in the press of November 3: "I have violated no law."

Most drug manufacturers recognize a responsibility to the public far greater than that imposed by existing law. Some are known to have considered making a solution of sulphanilamide in diethyleneglycol before the "elixir" was put on the market, but abandoned the idea on investigating the toxicity of the solvent. But the attitude of some drugmakers is exemplified in Dr. Massengill's statement carried by the press October 23:—

"My chemists and I deeply regret the fatal results but there was no error in the manufacture of the product. We have been supplying legitimate professional demand and not once could have foreseen the unlooked-for results. I do not feel that there was any responsiblity on our part. The chemical sulfanilamide had been approved for use and had been used in large quantities in other forms, and now its many bad effects are developing."

That evidence of possible danger from the internal administration of diethylene-

(Continued on page 46)

F.T.C. Starts Study Of Price Influences

WASHINGTON, Nov. 22, 1937.

At the direction of President Roosevelt the Federal Trade Commission has begun a general investigation of increases in the cost of living which may be attributed to business practices and policies.

The investigation was requested by the President November 19 in a letter reading as follows:—

My attention has been directed to reports of a marked increase in the cost of living during the present year, as compared with recent years past, attributable in part to monopolistic practices and other unwholesome methods of competition.

I believe it to be important to know the facts touching this situation, and, therefore, request the Federal Trade Commission to make an immediate investigation into such alleged practices and methods and report to me as early as practicable.

I understand such inquiry can be made without any increase in your current appropriation.

While the commission has not announced plans for a study, it is understood that it will not undertake extensive new field work but will base its report largely on information already at hand and will strive to make a report early in 1938.

Much speculation was raised in the capital regarding the President's objectives in ordering the investigation. Some considered it to be an indirect attack on the Tydings-Miller resale price-maintenance act which the President reluctantly signed last August with a statement that it might operate to increase the cost of living. Others viewed it as an attempt to reduce the prices of building materials as a prelude to a campaign to stimulate private construction. Another view was that this is a first step toward revision of the antitrust laws which President Roosevelt has discussed at various times; while some persons viewed it simply as a gesture to forestall criticisms of increased living costs.

Import Origin Marking Protest Right Limited

WASHINGTON, Nov. 22, 1937.

A domestic producer has no right to contest the action of a collector of customs in liquidating merchandise not marked with the name of the country of origin, it was decided today by the Court of Customs and Patent Appeals.

The question was raised by the Latchford Glass Company, Los Angeles, which protested against the importation of wine by the Buckingham Corporation, New York, in bottles marked to show the origin of the wines but not the origin of the bottles. The court held that a domestic producer may protest against the classification of a collector for the purpose of raising the issue of whether an additional duty of 10 percent should be imposed on articles not properly marked, but he may not protest such classification so far as it relates to the delivery or withholding of merchandise without additional markings. In this case the court held that there was nothing in the record to show that the collector was not justified in releasing the merchandise without requiring the bottles to be marked with the country of their origin.

Tariff Bargain Test Refused by Court

Customs Appellate Bench Holds Importer Has No Right to Protest Low Duty

WASHINGTON, Nov. 23, 1937.

A test case designed to challenge the constitutionality of the reciprocal trade agreements act was thrown out of court today when the United States Court of Customs and Patent Appeals affirmed an order of the customs court at New York, declining to hear an appeal brought by George S. Fletcher.

Fletcher, a Florida pineapple grower, imported forty-two cases of pineapples from Cuba and paid the duty of 20c. crate fixed by the reciprocal trade agreement with Cuba. He protested that he should have paid 50c. crate, the rate carried in the tariff act of 1930. The customs court dismissed the protest and denied a rehearing, and the importer appealed. The constitutionality of the trade agreements act was not before the court of customs appeals, but only the action of the lower court in refusing to hear the case.

The appeal was based on a court decision upholding the right of an importer to protest the assessment of too low a duty under the tariff act of 1909. In the 1913 tariff act this provision was changed to permit an importer to protest only against too high an assessment. The tariff acts of 1922 and 1930 changed the language of this section without specifically stating that an importer could not protest too low an assessment, and in this case the importer contended that it was the intention of Congress to remove the restriction of the 1913 act.

In its decision today the appellate court did not specifically rule on this section of the 1930 act, but based its decision on a provision in the reciprocal trade agreements act of 1934 which provided that the protest machinery of the 1930 act could not be used by an American producer to protest against a rate of duty fixed by a reciprocal trade agreement. The decision declared that, since Congress prohibited a domestic producer from protesting the terms of a trade agreement, it could not have intended to permit a producer the same thing by becoming an importer and protesting against too low an assessment.

The government argued that the importer had no right to sue because he could not show that he had been damaged by the lower rate, and that as a producer his injury was no more than that sustained by all producers and hence not sufficiently direct to give it standing in court, but the court declined to rule on this phase of the case.

Whale Oil Cargo Seized at Norfolk

WASHINGTON, Nov. 23, 1937.

The Norwegian tanker "Charles Racine" has entered the port of Norfolk where her cargo of 12,000 tons of whale oil has been seized on order of the Department of Commerce for violation of the navigation laws, according to information received by officials of the Bureau of Marine Inspection and Navigation.

The whale oil was produced off the coast of Australia by the floating factory "Ulysses," a ship of American registry, and legal officials of the Department of Commerce have held that its shipment on the "Charles Racine" constitutes domestic commerce. Navigation laws forbid foreign-flag ships to engage in domestic commerce, and the penalty is forfeiture of the cargo. It is understood that owners of the cargo have taken steps to contest the seizure in the United States District Court in the Eastern District of Virginia. The "Ulysses" is owned by the Western Operating Corporation, Wilmington, Del.

(Continued on page 60)

Closing Market Developments

London Closing Cable

LONDON, Nov. 26, 1937.

Carnauba wax was quoted at 170s. per hundredweight.

Tallow Easier

Tallow was easier late in the week, sales being reported on spot at a further decline to 6¼c. per lb. for extra.

Cottonseed Oil Firmer

Refined cottonseed oil futures were firmer late in the week in company with lard. Offerings were light and shorts covered. March advanced on Friday to 7.06c. and May to 7.11c.

Golden Seal Advanced

Prices on goldenseal root were advanced to $3.55 to $3.60 per pound on whole, and $3.75 to $3.80 on powder. The tendency has been upward for some time past. Powdered papain was also higher at $2.25 to $2.50 per pound and reports in local circles were to the effect that practically no offerings are being received from the source.

Mercury Oxides Cut

Technical grades of mercury oxide were reduced Friday, following an earlier reduction in quicksilver costs. The reduction was 10c. per pound, making red $1.49 per pound and yellow $1.39 per pound.

Quicksilver vermilion prices were not changed.

Glauber's Salt Unchanged

Prices of Glauber's salt and anhydrous soda sulphate have been extended for 1938.

Antimony Metal Lower

Antimony metal was reduced fractionally on Friday to 14¾c. per pound.

Tin Salts Steadier

Straits tin was slightly higher at 41¾c. per pound; anhydrous tetrachloride of tin, 21¼c. per pound; and soda stannate, 28½c. to 31½c. per pound.

N.D.T.C. Will Discuss Fair Trade, Drug Laws

WASHINGTON, Nov. 23, 1937.

Current problems arising under the operation of the fair trade laws and prospects for revision of the food and drugs act will be the chief matters for discussion at the annual meeting of the National Drug Trade Conference in the Mayflower Hotel, Washington, December 7.

In addition, there will be reports from the following committees:—Potent and toxic drugs, State narcotic acts, endowment, status of pharmacy and drug trade, distribution of drugs and medicines, and New York world's fair.

A new committee on the status of pharmacy in national and State public health programs was created by the executive committee of the conference at a recent meeting, and this committee probably will make a preliminary report at the annual meeting. President Carson P. Frailey appointed the following to this committee:—R. L. Swain, of the National Association of Boards of Pharmacy, chairman; Robert P. Fischelis, of the American Pharmaceutical Association, and A. G. DuMez, of the American Association of Colleges of Pharmacy.

Foreign Tariff Notes

Information recently published by the Department of Commerce on foreign tariffs and related trade regulations includes the following data:—

Gasoline:—Martinique has made imported gasoline subject to a specific import tax of 0.15 franc per liter. It was formerly subject to the general import tax of 4 percent ad valorem.

Gasoline:—Netherland West Indies has continued indefinitely the internal tax on domestic and imported gasoline of 3 florins per 100 liters, which was scheduled to expire January 1, 1939.

Lard:—Ecuador has reduced the rate of import duty on lard from 0.50 sucre to 0.25 sucre per gross kilo.

Oils:—Mexico has increased the import duties on animal oils, cottonseed oil, sesame oil, linseed oil, and vegetable oils not specified, in tankcars or boats, from 0.20 peso to 0.35 peso per net kilo.

Chemical Price Trends Puzzling

Although reductions continued to predominate in the price changes made last week in the markets for heavy and fine chemicals, the trend in 1938 schedules was upward in several heavy items. The current weakness was manifested chiefly in copper salts, mercurials, and carbon black, the last-named being reduced for the third time in this month.

Business in general was slow, although there were some active spots. Labor disturbances in major industries returned to cause uncertainty and caution.

Prices were advanced on cerium oxalate, codliver oil, and dried blood at Chicago. Prices were reduced on copper, blue vitriol, carbonate and black oxide of copper, calomel, both grades of red and yellow oxides of mercury, corrosive sublimate, white precipitate, carbon black, zinc, denaturing grade methanol, gum rosins, domestic casein, agar, black East Indian copal, No. 1 Singapore dammar, domestic tankage at New York, and hoofmeal at Chicago.

New schedules put higher prices on calcium chloride. Borax and boric acid quotations have been extended for the first half of 1938, and all alcohol prices to March 31. The Pacific coast differential on denaturing methanol was widened. With reference to practically all items affected, new schedules provide that advances in freight rates will be for buyers' accounts.

The REPORTER's composite index number of prices for heavy and fine chemicals was not appreciably changed from 127.4 (100 = average at August 1, 1914). In comparison with average prices in 1926 (as 100), the REPORTER's index number is now 90.2, against 89.0 at this time last year.

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Zeisberg Heads A.I.C.E.

Frederick Clemens Zeisberg, of the development department of the duPont company, was elected president of the American Institute of Chemical Engineers at the thirtieth annual meeting of the society, in St. Louis, in the week of November 15.

Other officers elected by the society are:—Vice-president, Webster N. Jones, dean of the School of Engineering, Carnegie Institute of Technology, Pittsburgh; secretary and executive secretary, Stephen L. Tyler, Engineering Societies building, New York; treasurer, C. R. DeLong, New York. Directors were elected as follows:—Lawrence W. Bass, assistant director of Mellon Institute of Industrial Research, Pittsburgh; Harry A. Curtis, chief chemical engineer for the Tennessee Valley Authority, Knoxville; Francis C. Frary, director of research for the Aluminum Company of America, Pittsburgh; Ellery L. Wilson, vice-president of Rumford Chemical Works, Providence, R. I.

Frederick Clemens Zeisberg, the new president, is technical investigator in the development department of E. I. duPont

Frederick C. Zeisberg
Newly Elected A.I.C.E. President

de Nemours & Co. He has been connected with the duPont organization since July 1, 1909, when he started in research on explosives. Three years later he began work on the manufacture and concentration of acids, continuing this until 1918, when he became manager of the intelligence division. A year later he took on the managership of the elementary process division of the chemical department, and he remained in these positions until 1921. During the next six years he was engaged in chemical engineering and high-pressure technic, and in 1927 he took up his present work.

Mr. Zeisberg was born May 13, 1888, in Jefferson City, Mo., the son of Francis Joseph and Clara Margaret (Hugershoff) Zeisberg. When he was seven years old the family located in Pulaski, Tenn., where he started to school. Later the family moved to Virginia, and the boy got his education in private and public schools in the two States, at King College, Bristol, Tenn.; Abingdon Male Academy, Abingdon, Va.; and the University of Virginia. He began his chemical work with Mathieson Alkali Works in Saltville, Va., in 1907; from there he went with the duPont company.

Mr. Zeisberg and Miss Madeline Davis were married in 1915. They have three children, two sons and one daughter, and they reside in Wilmington, Del. Mr. Zeisberg is a member of the American Chemical Society and has been secretary and chairman of its Delaware section. In the American Institute of Chemical Engineers he has been chairman of the committee on publication, served several terms as a director, and was vice-president during the past two years. During his leisure hours he turns his hand to cabinet-making; he collects stamps and books; and he hunts and fishes.

Oil Deposit Sought on Floor of Mobile Bay

Plans are going forward for a geophysical survey of the floor of Mobile Bay to determine whether oil deposits exist there.

Governor Graves has signed a permit giving Westbrook-Thompson & Stewart, Fort Worth, Tex., authority to make the survey. Congressman Frank Boykin, of Mobile, said the work would cost $50,000 and would be started within three months,

Under terms of the contract, Alabama would receive 12½ percent of the gross production of any new oil field developed.

N.A.I.D.M. Convention Program for Dec. 6-7

For the twenty-fourth annual meeting of the National Association of Insecticide and Disinfectant Manufacturers, to be held in the Hotel Biltmore, this city, December 6 and 7, the full program, subject to some later change, has been issued by John H. Wright, secretary of the organization. W. B. Eddy, president of the Rochester Germicide Company, and president of the association, will call the meeting to order and preside at the opening session; J. L. Brenn, of the Huntington Laboratories, Huntington, Ind., will preside in the afternoon, and Mr. Eddy and Mr. Breen will alternate at the other sessions.

The full program is as follows:

Monday, December 6
9:00 A.M.

Registration—Music Room Foyer.
Meeting called to order by President W. B. Eddy, Rochester Germicide Company, Rochester, N. Y.
Presiding, President Eddy.
Announcements.
Address, "Meet Our Industry" by President Eddy.
Appointment of committees.
Report of committees on time and place of June, 1938, meeting—J. L. Brenn, of Huntington Laboratories, Inc., Huntington, Ind., chairman of committee.
Report of treasurer, John Powell, of John Powell & Co., New York City.
Address, "We Need Help," by A. L. van Ameringen, van Ameringen-Haebler, Inc., New York city, chairman of the membership committee.
Roll call.
Selection of nominating committee.
Report of secretary, John H. Wright, New York city.
Address, "Legislative Trend," by Richard K. Hines, general counsel, of the Vick Chemical Company, New York city.
Reports of special committees:
(1) Executive office: H. W. Hamilton, of the White Tar Company of New Jersey, Kearny, N. J., chairman.
(2) U. S. Department of Public Health re disinfectants: Melvin Fuld, Fuld Brothers, Baltimore; chairman.
(3) Association constitution and by-laws: W. J. Zick, of Stanco, Inc., New York city, chairman.
Report of entertainment committee—L. J. LaCava, of the Continental Can Company, New York City, chairman.
Report of publicity committee—Ira MacNair, of the MacNair-Dorland Company, New York city, chairman.
Report of sanitary specialties committee—C. L. Weirich, of the C. B. Dolge Company, Westport, Conn., chairman.
Luncheon. All members are requested to be present in the meeting room at close of Monday morning session in order that a group picture may be taken.

2:00 P.M.

Meeting called to order. Presiding, J. L. Breen.
Announcements.
Introduction of guests.
Address, "Disinfectant Literature and Patents" by Dr. B. G. Philbrick, of Skinner & Sherman, Inc., Boston, chairman of committee.
Address, "Peptone for Use in Testing of Antiseptics," of Dr. George F. Reddish, of the Lambert Pharmacal Company, St. Louis; chairman antiseptic committee.
Address, "Application of N. A. I. D. M. Specifications to the problems of the Purchasing Department of the City of New York," by Dr. Stroud Jordan, chief standardization bureau, Department of Purchase, City of New York.
Address, "Hotel Sanitation and Insect Control," by W. D. Lewis, consulting engineer, National Hotel Management Company, New York City.
Address, "Scientific Advances in Disinfectants and Antiseptics During 1937," by Dr. E. G. Klarmann, of Lehn & Fink Inc., Bloomfield, N. J., chairman of committee on methods of testing disinfectants.
Address, "Testing Mothproofing Solutions," by E. A. Back, prinicpal entomologist, insects affecting man and animals, Bureau of Entomology & Plant Quarantine, U. S. Department of Agriculture, Washington, (Illustrated).
Address, "Insecticide and Disinfectant Standards," Discussion Leader—F. W. Reynolds, of the division of trade standards, National Bureau of Standards, Department of Commerce, Washington.
Adjournment, promptly at 4:30 P.M. to permit attendance of the membership at the Chemical Exposition in Grand Central Palace. Tickets will be distributed during this session. Special arrangements have been made with the management of the Chemical Exposition to receive the N. A. I. D. A. group.

Tuesday, December 7
10:00 A.M.

Meeting called to order.
Presiding, President Eddy.
Announcements.
Address, "Preliminary Report of the N. A. I. D. M. Fellowship Crawling Insects. Methods of Rearing the German Cockroach and Testing Liquid Household Insecticides Against It," by E. N. Woodbury. Introduction by Dr. F. L.

(Continued on page 27)

Chemical Imports Up 37 Percent

United States imports of chemicals, drying oils, and related products tended upward in September, bringing the total for the first three-quarters of the year to the approximate value of $168,000,000, a 37 percent gain in value over the $122,500,000 recorded for the corresponding months of 1936, according to C. C. Concannon, chief of the Chemical Division of the Bureau of Foreign and Domestic Commerce.

Imports of drying oils, drying oil seeds, varnish gums, and other materials used mainly in the manufacture of paints, varnishes, printing inks, linoleums, and similar products have been especially heavy in the current year, according to Mr. Concannon. Receipts of such products during the first nine months of the year aggregated $55,000,000 in value--a gain of $18,000,000 over the same period of 1936, preliminary statistics indicate.

In this group imports of flaxseed increased from 9,423,000 bushels to 22,879,000 bushels during these periods; tung oil from 115,000,000 pounds to 156,000,000 pounds; and varnish gums from 51,000,00 pounds to 71,000,000 pounds.

Receipts of fertilizer materials have also been especially heavy this year, the total reaching 1,547,000 tons valued at $35,000,000 in the first three-quarters against 1,102,600 tons valued at $23,755,000 in the corresponding months of 1936. In this group imports of Chilean nitrate increased from 420,700 to 548,600 long tons in quantity and from $8,207,000 to $10,162,000 in value.

The value of imports of industrial chemicals, a group made up of a large number of crude and semi-manufactured materials, aggregated $21,000,000 in the three-quarter period of the current year, a gain of 35 percent over the $15,500,000 recorded for the corresponding months of 1936. In this group receipts for consumption of glycerin, both crude and refined, increased from 8,377,000 pounds to 19,634,000 pounds; and crude iodine from 592,000 pounds to 1,687,400. Imports of natural and refined camphor, however, declined slightly from 4,081,000 pounds to 3,998,000 pounds, statistics reveal.

Other items on the chemical and related products import list recording increases in the first three-quarters of the current year over the corresponding months of 1936 included cod liver oil, receipts of which increased in valume from $2,626,500 to $2,824,700; tankage, from $1,305,000 to $1,651,600; crude drugs, from $4,883,000 to $6,063,000; essential oils, from $3,109,500 to $4,208,000; dyeing and tanning materials, from $4,511,500 to $6,217,000; vegetable tallow, from $128,000 to $479,000; carnauba wax, from $3,347,000 to $3,941,000; vegetable wax, from $448,000 to $653,000; coal-tar products, from $10,636,000 to $13,693,000; perfume materials, from $1,989,000 to $2,121,000; and firecrackers, from $536,800 to $577,000.

Asphalt Meeting to Be Picturesque Gathering

Highway engineers, materials engineers, chemists and other technologists from all over the United States and from Canada and England, are on the program for the eleventh National Asphalt Conference in the Peabody hotel, Memphis, Tennessee, December 6 to 10, and an entertainment program of unusual color and variety has been provided for the delegates and the ladies through the five days. The conference is sponsored by the Asphalt Institute, B. L. Boye, president, and the Association of Asphalt Paving Technologists, J. S. Miller, jr., president; the City of Memphis and the State of Tennessee.

Among the subjects for presentation before the conference are:—A Federal highway program, State practices in bituminous work, subgrade stabilization, curing products, control in concrete construction, equipment for hot-mix construction, asphalt surfaces at airports, asphalt in river and harbor protection, types of asphalt surfaces, problems of soil erosion, and bituminous macadam. Before the technologists there will be discussed:—Applications of chemistry and physics, testing adhesion, adhesion of asphaltic binders and mineral aggregates, tests for resistance to oxidation, weathering characteristics, asphalt recovery tests, cracks in asphalt pavements, mineral fillers, asphalt emulsions, physical tests, and fundamental concepts in the structural design of flexible surfaces.

For entertainment, William B. Fowler, city engineer, chairman of the local committee, and Mrs. Fowler, chairman of the ladies local committee, have laid out a series of attractive events. The first evening an "Old South" reception will be held. A bevy of Memphis girls, in the crinoline and hoop skirts of the ante-bellum days, will receive the delegates and their wives. During the evening the punch of the old planter days will be served. The next day, at noon, Mrs. Fowler will preside at a bridge luncheon, at which an abundance of handsome prizes will be awarded. In the evening the Chamber of Commerce of Memphis will be host at a playtime party.

Wednesday an afternoon of mule races will be presented with the smartness of a Kentucky Derby, at the Fair Grounds. As the committee says, "no one can tell what a mule will do next," and all sorts of thrills are anticipated. In the evening there will be the annual dinner-dance and a cotton field show, with the plaintive singing of plantation negroes.

Thursday afternoon the ladies will be taken in automobiles on a tour of the interesting sights of the city, and ending at the Memphis Country Club for tea and cocktails. In the evening the delegates will be the guests of the Chamber of Commerce in the theatre home of the original "Memphis Blues." Golf will be the feature for Friday morning, and for those who wish to shoot there is good hunting grounds, and it is the season for ducks and geese and all migratory birds.

Flaxseed Experts Spur Increased Production

MINNEAPOLIS, Nov. 20, 1937.

Discussion of ways and means of increasing flaxseed production in the United States occupied the annual meeting of the Flax Institute of the United States, held in the Hotel Nicollet here and just concluded. The meeting was attended by the largest number of delegates recorded up to the present. Representatives from several new states attended, and one came from Canada.

More than seventy experts took part in the discussion, and the job of all was to increase production and improve technique in matching soil with types and climatic conditions. Up to the present, types have been selected without proper consideration of soil relations to them, and farmers have lost producing zest because of failures.

Flax is the only major crop of the Northwest that is on an import basis. Crushers require much more seed than is produced in this country and draw freely on Argentine for supplies they lack. Importations from that country have ranged from 20,000,000 bushels a year upward and on occasion seed has been imported from India and China.

Dean H. L. Walster, of the North Dakota Agricultural College, presided at the meeting. Speakers on the program included Thomas L. Daniels, vice-president of the Archer-Daniels-Midland Company; Fred B. Ritchie and A. C. Dillman, of the Department of Agriculture, Washington; B. E. Groom, agricultural director of the Greater North Dakota Association, Fargo; Frank W. Peck, extension director; Dr. George Pond, Professors H. K. Kayes and A. C. Arny, of the Minnesota College of Agriculture.

In addition to arresting the decrease in production an attempt will be made to improve strains by crossing and developing old varieties of proven merit, such as bison, red wing, pale pink and others common to the Northwest. Progress has been made in developing a kernel of larger dimensions and greater oil content, also better iodine content.

The work of professors will be continued and the leaders in the movement for greater flax production will sponsor an aggressive campaign throughout the Northwest, utilizing all possible agencies in furthering the work.

Patman Sales-Limiting Bill to Have Hearing

WASHINGTON, Nov. 22, 1937.

The house interstate and foreign commerce committee will start hearings November 30 on the Patman bill (H.R. 4722), designed to prohibit sales at retail by manufacturers.

Pest-Control Group To Study Regulation

Association to Seek Uniformity In Supervisory Practices —May Draft Bill

At its fifth annual meeting, held October 25 to 27 in Memphis, the National Association of Exterminators and Fumigators officially adopted its new style—National Pest Control Association.

Plans for greater and wider activities were laid in the convention, particular attention being given to the construction of a program for the development of statewide reasonable, but effective, supervision of the qualifications and practices of those engaged in pest-control work. Representation of the industry in such supervisory functioning was considered desirable, and it was felt that, at least, the national organization should have some recognition in an advisory capacity. A legislative committee of five, with William O. Buettner, secretary of the association, as chairman, was created.

This committee will collect and study existing Federal, State, and local laws and regulations appertaining to the practice of pest control. It will later endeavor to prepare a composite commentary on the subject and may undertake the drafting of models of ordinances and similar regulations.

Matters of particular technical interest were discussed in several clinics, which had to do with (1) termites, (2) ants and silverfish, (3) rats, and (4) moth-control and mothproofing. These clinics were participated in by members of the industry, by representatives of Federal, State, and other entomological and related bureaus, and by representatives of producers of insecticides and other parasiticides, disinfectants, and fumigants.

A code of ethics was affirmed, in which simple rules were stated with respect to relations of the members with the public, with clients, with competitors, and with one another, and with respect to integrity in the performance of services.

Plans were got under way for participation in the second annual course in pest-control at Purdue University. This will be held under the direction of Prof. J. J. Davis January 17 to 21.

The association elected the following officers and directors:—

President, H. K. Steckel, of the Tornado Manufacturing Company, Columbus, Ohio.

Regional vice-presidents, Walter S. McCloud, of the McCloud Exterminating Company, Chicago; Otto Orkin, of the Orkin Exterminating Company, Atlanta; Lawrence A. McKenna, of the A. C. Exterminating Company, Cleveland; G. Ray Lovejoy, of the Western Exterminating Company, Los Angeles; H. G. Irving Sarneth, of the Sarneth Exterminating Company, New York.

Secretary, William O. Buettner, of Oscar G. Buettner & Son, Inc., Brooklyn.

Treasurer, Albert M. Akers, of the Rose Exterminator Company, Cleveland.

Directors, three-year team, P. Calvert Cissel, of the American Disinfectant Company, Washington; Al Cossetta, of the National Exterminating Products Company, Kansas City, Mo.; Max J. Levy, of the Twin City Exterminating Company, St. Paul; Robert W. Laing, of the Laing Exterminating Company, Cleveland; Irving H. Josephson, of the Josephson Disinfectant Corporation, New York; Harry J. Hammond, of W. P. Hammond & Son, Milwaukee; A. T. Parsons, of the Bay Pest Control Company, San Mateo, Cal.

Directors, two-year term, Charles Denny, of the Denny Laboratories, St. Louis; Edward H. Arnott, of the Arnott Exterminating Company, Indianapolis; Wallace B. Tanner, of the California Termite Control Company, Los Angeles; Gilbert M. Stover, of B. & B. Exterminators, Baltimore; Ernest R. Barber, of the Barber Laboratories, Inc., New Orleans; A. E. Ritt, of the Vogel-Ritt Company, Philadelphia; William Phippard, of the Wilmer Company, Cincinnati.

Directors, one-year term, Alfred Zimmern, of the Termite Division, Temple Lumber Company, Dallas; F. E. Bohman, of Bohman Brothers, Hartford; George R. Elliott, of the Ransford Insecticide Company, Worcester, Mass.; Joseph Mandelbaum, of the United Exterminating Company, New Orleans; Wilbur F. Smith, of the Alderman Company, Pasadena, Cal.; Martin Meyer, of the Theodore Meyer Estate, Philadelphia; John P. Linn, of the Industrial Fumigant Company, Omaha.

Director, Canada, Henry J. Maheu, of the Mysterious Chemical Company, Montreal.

Automobile polishes and waxes sold in the first eight months of this year had a total factory sales value of $2,824,624, according to data collected by the Bureau of the Census. Sales of these products in the twelve months of 1936 amounted to $3,335,742.

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ACCELERATORS
Diphenylguanidine
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AMMONIUM CARBONATE
Lump and Powder
AMMONIA, SAL
Granular White 99-100%
Gray, Fine and Coarse
ANTIMONY OXIDE
ARSENIC, RED
BARIUM CHLORIDE
BARIUM HYDRATE
BICHROMATE
Soda and Potash
BORAX
BORACIC ACID
CAFFEINE ALKALOID
CARBON TETRACHLORIDE
CHROMIC ACID
COPPER CARBONATE
52-54%
CYANIDE, POTASSIUM
ETHYLENE DICHLORIDE
FELDSPAR, "CHEMI-TROLD"
FORMIC ACID
IRON BY HYDROGEN
IRON CHLORIDE
LITHIUM SALTS
MANGANESE CHLORIDE
NAPHTHALENE
NICKEL SALTS, SINGLE AND DOUBLE
NICKEL CHLORIDE
NITRITE SODA
OXALIC ACID
PARADICHLOROBENZENE
OXALATE AMMONIA
OXALATE POTASH
BINOXALATE POTASH
BICARBONATE POTASH
CAUSTIC POTASH
Fused, Broken, Ground and Flakes
CARBONATE POTASH
Liquid, Calcinated and Hydrated
PERMANGANATE POTASH
RED PRUSSIATE POTASH
YELLOW PRUSSIATE POTASH
YELLOW PRUSSIATE SODA
SODA ACETATE
SODA ASH
SODA BICARBONATE
SODA CAUSTIC
SODA SILICO FLUORIDE
ACID SODA FLUORIDE
SODA FLUORIDE
STEARATES
Aluminum, Calcium, Magnesium and Zinc
SULFUR CHLORIDE
SULFUR DIOXIDE
TETRA SODA PYROPHOSPHATE
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•

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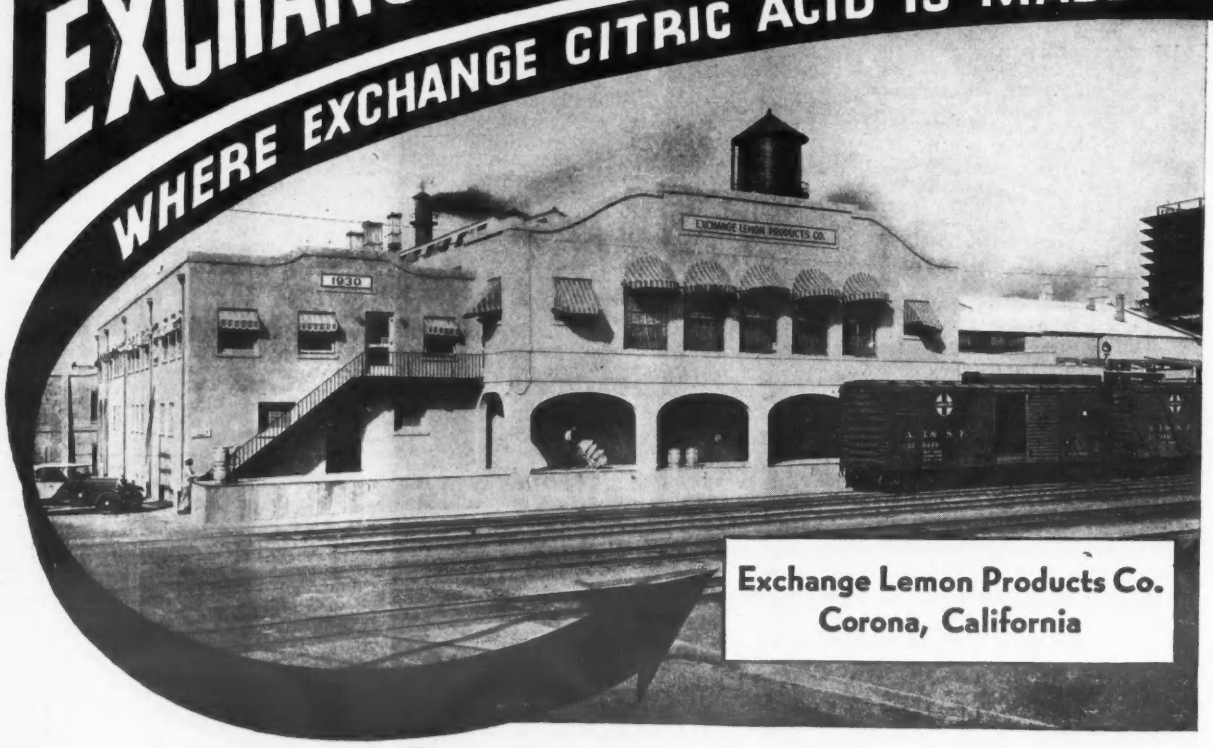

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Current Market Quotations

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When not otherwise indicated, quotations are f.o.b. New York prices on large lots. Price changes and trends are noted in the market reports on other pages, with other informative comment. The locations of the several reports are indicated on page 4.

A

Acacia (see Gum, Arabic)
Acetal, dms., works lb. .75 - 1.00
Acetaldehyde, dms., c.l., works lb. .14 - —
l.c.l., works lb. .16 - —
Acetamide, CP, bots., kegs, c.l., works lb. .35 - —
l.c.l., 1,000 lbs., works lb. .43 - —
smaller lots, works lb. .48 - 1.00
tech., kegs, c.l., works lb. .32 - —
l.c.l., 1,000 lbs., works lb. .38 - —
smaller lots, works lb. .43 - .75
Acetanilide, tech., 95%, bbls. lb. .29 Nom.
USP, bbls., 2,000 lbs. lb. .30 - —
smaller lots lb. .31 - —
kegs, 2,000 lbs lb. .31 - —
smaller lots lb. .32 - —
Acetin, tech., dms lb. .33 - —
Acetoacetanilide, dms lb. .65 - .70
Acetone, CP, dms., c.l., dlvd. lb. .05¾- —
l.c.l., dlvd lb. .06¼- —
tanks, dlvd. lb. .04¾- —
Methyl (see M)
Acetophenone, bots lb. 1.30 - 1.45
cns., 25 lbs lb. 1.15 - 1.25
dms., 100 lbs lb. 1.05 - —
Acetphenetidin, bbls., kegs, 1,000 lbs lb. 1.30 - —
single pkg lb. 1.35 - —
smaller pkgs lb. 1.32 - 1.40
Acid, abietic, bbls., c.l. lb. .09¾- —
l.c.l. lb. .10 - —
Acetic, coml. or redist., 28%, bbls. 100 lbs. 2.38 - 2.63
cbys. 100 lbs. 2.87 - 3.12
56%, bbls. 100 lbs. 4.45 - 4.70
cbys. 100 lbs. 4.95 - 5.20
70%, bbls. 100 lbs. 5.54 - 5.79
cbys. 100 lbs. 6.04 - 6.25
80%, bbls. 100 lbs. 6.32 - 6.57
cbys. 100 lbs. 6.82 - 7.07
glacial, nat., CP., cbys. 100 lbs. 14.00 - —
99.5%, nat., bbls., c.l., 100 lbs. 8.16 - 8.41
cbys. 100 lbs. 8.66 - 8.91
syn., al. dms., c.l. 100 lbs. 8.43 - 8.68
cbys. 100 lbs. 8.93 - 9.18
USP, dms. 100 lbs. 10.25 -10.50
cbys. 100 lbs. 10.75 -11.00
pure, 30%, bbls., c.l. 100 lbs. 3.44 - 3.69
cbys. 100 lbs. 3.94 - 4.19
36%, bbls., c.l. 100 lbs. 3.85 - 4.10
cbys. 100 lbs. 4.35 - 4.60
60%, bbls., c.l. 100 lbs. 6.47 - 4.72
cbys. 100 lbs. 6.97 - 7.22
80%, bbls., c.l. 100 lbs. 8.11 - 8.36
cbys. 100 lbs. 8.61 - 8.86

Acetic acid prices above apply delv'd at destination in the following States: Conn., Dela., D. of C., Md., Mass., N. J., N. Y., N. and S. Car., R. I., Penna., and Va. For all other States, except Wash., Ore., and Calif., prices are f.o.b. works, frt. equalized.

Acetic, anhydride, dms., c.l. lb. .13 - —
l.c.l. dms., cbys lb. .14 - .15
Acetylsalicylic, USP, bbls., 225 lbs. lb. .60 - —
boxes, 25 lbs lb. .61 - —
kgs., 100 lbs lb. .60 - —
Anthranilic, refd., bbls lb. .85 - .90
tech., bbls lb. .75 - —
Arsenous, tech. (see Arsenic, White).
USP., powd., dms., kegs lb. .18 - —
Battery, cbys, c.l., E. works 100 lbs. 1.60 - —
l.c.l., 25 or more, E. works, 100 lbs. 1.85 - —
10-24, E. works 100 lbs. 1.95 - —
1-9, E. works 100 lbs. 2.55 - —
Benzoic, tech., bbls., 4,000 lbs. or more lb. .42 - —
1,000 to 3,900 lbs lb. .44 - —
900 lbs. or less lb. .47 - —
USP, bbls., 4,000 lbs. or more lb. .54 - —
1,000 to 3,900 lbs lb. .55 - —
900 lbs. or less lb. .58 - .59
dms., 4,000 lbs. or more lb. .55 - .56
1,000 to 3,900 lbs lb. .56 - .57
900 lbs. or less lb. .59 - .60
Boric, tech., 99.5%, gran., bbls., contracts, 80 tons, delvd. ton. 105.00 - —
c.l., delvd ton. 110.00 - —
l.c.l., ex whse ton. 115.00 -120.00
sks., contracts, 80 tons, delvd ton. 95.00 - —
c.l., delvd ton. 100.00 - —
l.c.l., ex whse ton. 105.00 -110.00
powd., bbls., contracts, 80 tons, delvd ton. 110.00 - —
c.l., delvd ton. 115.00 - —
l.c.l., ex whse ton. 120.00 -135.00
sks., contracts, 80 tons, delvd ton. 100.00 - —
c.l., delvd ton. 105.00 - —
l.c.l., ex whse ton. 110.00 -125.00
USP, $25 per ton higher.
Broenner's, bbls lb. 1.11 - —
Butyric, 99%, dms., c.l., S. Charleston, W. Va. lb. .22 - —
l.c.l., same basis lb. .23 - —
tanks, same basis lb. .21 - —
Camphoric, cans lb. 5.50 - 5.70
Capric, dms lb. .13¼ - .13½
Caproic, cans lb. 2.20 - —
Carbolic (see Phenol).
Castor oil, split, dms lb. .17½ - .18
Chlorosulphonic, dms., c.l., works lb. .0350- —
5-drum lots, works lb. .04 - —
single drum lb. .05 - —
tanks, works lb. .03 - —
Chromic, 99%, dms., delvd. N.Y., lb. lb. .1475- .1675
Cinnamic, refd., bots lb. 2.85 - 3.25
Citric, cryst., bbls lb. .24 - —
kegs lb. .24½- —
gran., bbls lb. .24 - —
kegs lb. .24½- —
powd., bbls lb. .24½- —
anhyd., gran., dms lb. .26½- —
powd., dms lb. .27 - —

Prices on citric acid are f.o.b. N. Y., Chicago and St. Louis deliveries are ½c. higher than N. Y.

Cleve's, bbls lb. .50 - —
Coconut oil, dist lb. .10¼- .10¾
Cottonseed oil, dms lb. .06½- .07
Cresylic, high-boil, dms., c.l., works, frt. equaled gal. .89 - —
l.c.l., same basis gal. .91 - —
Acid, cresylic, low-boil, dms., c.l., works, frt. equaled gal. .92 - —
l.c.l., same basis gal. .94 - —
imported pale, 97-99, dms. gal. 1.00 Nom.
special resin grade, dms., c.l., works lb. .10¾- —
l.c.l., same basis lb. .11¼- —
Crotonic, dms., works lb. .75 - 1.00
Diethylbarbituric (see Barbital).
Formic, dom., seaboard, 90% cbys., f.o.b. stock points, c.l. lb. .10½- —
l.c.l., 25 and over lb. .11 - —
1-24 lb. .11½- —
inland territory, cbys., c.l. lb. .1185- —
l.c.l., 25 and over lb. .1235- —
1-24 lb. .1285- —
southern territory, cbys., c.l. lb. .1170- .1240
l.c.l., 25 and over lb. .1220- .1290
1-24 lb. .1270- .1320
Fumaric, bbls lb. .60 - —
Gallic, tech., bbls lb. .75 - .79
N. F., VI, bbls, 200 lbs., 5 or more lb. .87 - —
single bbls lb. .90 - —
fib. dms., 25 lbs lb. .96 - —
kgs., 100 lbs lb. .91 - —
Gamma, bbls lb. .85 - —
Gluconic, tech., 50%, bbls., 500 lbs lb. .20 - —
H, bbls lb. .50 - .55
Hempseed oil, dms lb. .1180- .1225
Hydriodic, 47%, bots lb. 2.20 - 2.25
57%, bots lb. 2.65 - 2.70
Hydrobromic, 10% dilut., USP, lb. .20 - .21
pure, 84% conct, cbys lb. .42 - .44
Hydrochloric (see Muriatic).
Hydrocyanic, cyls, works lb. .80 - 1.00
Hydrofluoric, 30%, bbls lb. .07 - .0750
lead, cbys lb. .09 - .0950
48%, lead cbys lb. .1150- .12
52%, lead cbys lb. .1250- .13
60%, lead cbys lb. .15 - .1550
Hydrofluosilicic, 30-35%, bbls. lb. .10½- .15
Hypophosphorus, USP, 30%, djns. lb. .75 - —
Lactic, tech., dark, 22%, bbls., c.l., works 100 lbs. 2.50 - —
l.c.l., bbls., works 100 lbs. 2.75 - —
cbys., works 100 lbs. 3.75 - —
44%, bbls., c.l., works, 100 lbs. 5.50 - —
l.c.l., bbls., works 100 lbs. 5.75 - —
cbys., works 100 lbs. 6.75 - —
light, 22%, bbls., c.l., works, 100 lbs. 3.50 - —
l.c.l., bbls., works 100 lbs. 3.75 - —
cbys., works 100 lbs. 4.75 - —
44%, bbls., c.l., works, 100 lbs. 6.50 - —
l.c.l., bbls., works 100 lbs. 6.75 - —
cbys., works 100 lbs. 7.75 - —
50%, edible, 20 and over, bbls., cbys. lb. .10¾- .11¼
plastic grade lb. .12¼- .13¼
5 to 19, edible, bbls., cbys., lb. .11 - .12
plastic grade lb. .12¾- .13¾
1 to 4, edible, bbls., cbys., lb. .11½- .12½
plastic grade lb. .13¼- .14¼
80%, 5 and over, bbls., cbys. lb. .21 - .22
1 to 4 bbls., cbys. lb. .21½- .22¼
USP, X, 85%, cbys lb. .42 - .45
USP, VIII, 75%, cbys lb. .40 - .43
Laurent's, bbls lb. .45 - —
Linseed oil, carx or light, dms. lb. .1310- .1350
tanks lb. .1250- —
extra white, dms lb. .13 - .13½
Maleic, powd., dms lb. .30 - .40
anhydride, dms lb. .33 - .43
Malic powd., kegs lb. .45 - .60
Mandelic, bots lb. 2.30 - —
fib. dms lb. 2.05 - 2.20
Mixed, tanks, nitric unit lb. .06½- .07¼
sulphuric unit lb. .0085- .009
Monochloroacetic, tech., bbls. lb. .16 - .17
99%, bbls lb. .18 - .19
Monosulphonic, bbls lb. 1.50 - 1.60
Muriatic, 18°, cbys., c.l., E. works 100 lbs. 1.50 - —
l.c.l., 25 and over, E. works 100 lbs. 1.75 - —
10 to 24, works 100 lbs. 1.85 - —
1 to 9, works 100 lbs. 2.45 - —
tanks, works 100 lbs. 1.05 - —
20°, cbys., c.l., E. works, 100 lbs. 1.75 - —
l.c.l., 25 and over, works, 100 lbs. 2.00 - —
10 to 24, works 100 lbs. 2.10 - —
1 to 9, works 100 lbs. 2.70 - —
tanks, works 100 lbs. 1.15 - —
22°, cbys., c.l., E. works, 100 lbs. 2.25 - —
l.c.l., 25 and over, works, 100 lbs. 2.50 - —
10 to 24, works 100 lbs. 2.60 - —
1 to 9, works 100 lbs. 3.20 - —
tanks, works 100 lbs. 1.65 - —
C.P., U.S.P., dealers, cbys. lb. .06½- —
6-lb. bots lb. .18½- —
consumers, cbys lb. .08 - —
6-lb. bots lb. .20 - —
Myristic, dms lb. .15½- .16
white, redist., dms lb. .17 - .17½
Naphthenic, S.V. 120-200, dms., lb. .07 Nom.
210-230, dms lb. .09 Nom.
240-280, dms lb. .10 Nom.
sludges, dms lb. .05 Nom.
Nevile & Winther's, bbls lb. .85 - .87
Nitric, 36°, cbys., c.l., E. works, 100 lbs. 5.00 - —
l.c.l., 25 and over, E. works 100 lbs. 5.25 - —
10 to 24, works 100 lbs. 5.35 - —
1 to 9, works 100 lbs. 5.95 - —
38°, cbys., c.l., E. works, 100 lbs. 5.50 - —
Western works 100 lbs. 5.75 - —
l.c.l., 25 and over, E. works 100 lbs. 5.75 - —
10 to 24, works 100 lbs. 5.85 - —
1 to 9, works 100 lbs. 6.45 - —
40°, cbys., c.l., E. works, 100 lbs. 6.00 - —
l.c.l., 25 and over, E. works 100 lbs. 6.25 - —
10 to 24, works 100 lbs. 6.35 - —
1 to 9, works 100 lbs. 6.95 - —
42°, cbys., c.l., E. works, 100 lbs. 6.50 - —
Acid, nitric, 42°, cbys., l.c.l., 25 and over works 100 lbs. 6.75 - —
10 to 24, works 100 lbs. 6.85 - —
1 to 9, works 100 lbs. 7.45 - —
C.P., U.S.P., dealers, cbys. lb. .11½- —
7-lb. bots lb. .22½- —
consumers, cbys lb. .13 - —
7-lb. bots lb. .24 - —
Oleum (see sulphuric fuming).
Oxalic, dom., bbls., c.l., works, lb. .10¾- —
10,000 lbs., and over lb. .11 - —
smaller quantities lb. .12 - .14
Palm oil, dms lb. .06¼- .07½
Phenylacetic, bots lb. 2.00 - 3.25
Phosphoric, tech., 50%, cbys. lb. .06 - —
75%, cbys lb. .09 - —
USP, 85%, s. g. 1,710, cbys., 70 lbs. lb. .12 - —
djns., 25 lbs. lb. .15 - —
50% s.g., 1347, cbys., 70 lbs., lb. .12 - —
djns., 25 lbs lb. .15 - —
10%, dilut., cbys., djns. lb. .07 - .07½
Picramic, kgs lb. .65 - .70
Picric, bbls lb. .35 - —
Propionic ref., cbys., works lb. .25 Nom.
dms., works lb. .22 Nom.
tech., cbys., works lb. .20 Nom.
dms., works lb. .16 Nom.
Pyrogallic, tech., lump, powd., bbls. lb. 1.05 - —
cns lb. 1.10 - —
USP, cryst., cns lb. 1.45 - 1.65
resubl., cns lb. 2.05 - 2.15
Pyroligneous, bbls., dlvd. E. gal. .25 - —
Ricinoleic, dms lb. .38 - —
tech., bbls lb. .13 - —
Salicylic, tech., bbls lb. .33 - —
USP, bbls lb. .40 - .45
Sebacic, C.P., bbls., works lb. .58 - —
tech., bbls., works lb. .37 - .41
Soybean oil, dist., dms lb. .09 - .09½
Stearic, distil., double pressed, bgs., dlvd. lb. .11 - .12
single pressed, bgs., dlvd. lb. .10½- .11½
triple pressed, bgs., dlvd. lb. .13¾- .14¾
saponif., double pressed, bgs, dlvd. lb. .11¼- .12¼
triple pressed, bgs., dlvd. lb. .14 - .15
Succinic, bbls lb. .75 - —
Sulphanilic, CP, bots, works lb. 1.60 - 1.68
tech., dms., works lb. .17 - —
Sulphonaphthenic, dms lb. .04 - .10
Sulphuric, 60°, cbys., c.l., E. works 100 lbs. 1.25 - —
l.c.l., 25 and over, works, 100 lbs. 1.50 - —
10 to 24, works 100 lbs. 1.60 - —
1 to 9, works 100 lbs. 2.20 - —
tanks, E. works ton. 13.00 - —
66°, cbys., c.l., E. works, 100 lbs. 1.50 - —
l.c.l., 25 and over, works, 100 lbs. 1.75 - —
10 to 24, works 100 lbs. 1.85 - —
1 to 9, works 100 lbs. 2.45 - —
tanks, E. works ton. 16.50 - —
98%, tanks, works ton. 17.50 - —
C.P., U.S.P., dealers, cbys. lb. .06½- —
9-lb. bots lb. .16½- —
consumers, cbys lb. .08 - —
9-lb. bots lb. .18 - —
fuming, 20%, tanks, E. works ton. 18.50 - —
65%, tanks, E. works ton. 16.00 -
Tannic, tech., bbls., dms lb. .40 - .47
USP, fluffy, bbls., 1,000 lbs. lb. .88 - —
100-lb. lots lb. .90 - —
25-lb. lots lb. .93 - —
powd., bbls., 1,000 lbs lb. .78 - —
smaller lots lb. .80 - —
Tartaric USP, dom., cryst., gran., powd., bbls., 10,000 lbs. or more, one shipment lb. .24¾- —
smaller quantities lb. .25¼- —
kgs lb. .25¾- —
Tobias, bbls lb. .65 - —
Trichloroacetic, bots lb. 2.00 - 2.50
Tungstic, CP, kgs lb. No prices
tech., kgs lb. No prices
Aconite, leaves, bls lb. .30 - .32
Root, bls lb. .35 - .36
Aconitine, amorph., bots oz. 17.00 -18.00
vls gr. .06 - .09
cryst., bots oz. 30.00 -
vls gr. .09 - .11
Adeps, lanae, anhyd., dms lb. .17½- .19
hyd., dms lb. .16 - .18
Agar, 1, bls lb. 1.10 - 1.15
2, bls lb. 1.05 - 1.10
3, bls lb. .72 - .75
Agaric, white, bls lb. 3.25 - 3.50
Albumen, blood, dark, flake, bgs., c.l., f.o.b. Chicago, frt. alld. lb. .12 - —
l.c.l., bgs., same basis lb. .13 - .15
pow'd, grade A, same basis, ton lots lb. .15 - —
smaller lots, Chicago lb. .18 - —
light, dom., flake, dms., Chicago lb. .52 - .60
import, bgs lb. .50 - —
Egg, ed., dom., bbls lb. 1.05 Nom.
import, cs lb. .85 Nom.
Alcohol, amyl (see also Fusel oil, refd.), ex pentane dms., c.l., frt. alld. lb. .133 - —
l.c.l., frt. alld lb. .143 - —
tanks, frt. alld lb. .123 - —
secondary, dms., c.l., frt. pd., E. of Rocky Mts. lb. .09½- —
l.c.l., same terms lb. .10 - —
tanks, same terms lb. .08½- —
Benzyl, cans lb. .70 - —
drums lb. .63 - —
Butyl, normal, dms., c.l., frt. alld. lb. .10 - —
l.c.l., frt. alld lb. .10½- —
tanks, frt. alld lb. .09 - —
secondary, dms., c.l., frt. pd., E. of Rocky Mts. lb. .07 - —
l.c.l., same terms lb. .07½- —
tanks, same terms lb. .06 - —
tertiary, denating, dms., frt. alld. lb. .14 - —
Capryl, pure, dms., works lb. 2.50 - —
tech., dms., works lb. .85 - —
Cetyl, dom., C.P., fiber ctns., 1,000 lbs. lb. 1.50 - —
500 lbs. lb. 1.70 - —
100 lbs. lb. 1.80 - —
25 lbs. lb. 1.90 - —
5 lbs. lb. 2.00 - —
coml., dms lb. .95 - —

Acacia—Alum, Potash

Alcohol, cetyl, import, 85%, dms. 100 lbs. .53 - —
5 to 10 lbs. lb. .75 - —
coml., dms., 350 lbs. lb. .45 - —
Cinnamic, bots. lb. 2.00 - 2.50
Denatured, CD11, 12, 13, dms., c.l., works, E. gal. .35 - —
l.c.l., works, dms., dealer and industrial accounts. gal. .40 - —
jobber accounts gal. .38 - —
tanks, E., works gal. .29 - —

Prices for territories other than E. of Rockies, 3c. per gal. higher. Tankcar sales require written authorization by Alcohol Tax Unit.

SD1, 190 pf., bbls., c.l., E. works gal. .34 - —
19 bbls., E. works gal. .36 - —
1 to 18 bbls., E. works, gal. .39 - —
dms., c.l., E. works gal. .33 - —
19 dms., E. works gal. .35 - —
1 to 18 dms., E. works, gal. .38 - —
tanks, E. works gal. .27 - —

Anhydrous, 5c. per gal. higher.

SD23-G, works, E., dms., c.l., gal. .37½- —
19 dms gal. .39½- —
1 to 18 dms gal. .42½- —
tanks gal. .31½- —

Prices for territories other than E. of Rockies, 3c. per gal. higher.

Special solvent, dms., c.l., E. works gal. .34 - —
20 dms., E. works gal. .36 - —
1 to 19 dms., E. works, gal. .39 - —
tanks, E. works gal. .28 - —

Tankcar sales require written authorization by Alcohol Tax Unit.

Diacetone, pure, contract, dms., c.l., frt. alld. lb. .13½- —
l.c.l., frt. alld lb. .14 - —
tech., contract, dms., c.l., frt. alld. lb. .12½- —
l.c.l., frt. alld lb. .13 - —
Ethyl, 190 pf., ex molasses, bbls., c.l—gal. 4.13 - —
19 bbls gal. 4.15 - —
1 to 18 bbls gal. 4.18 - —
dms., c.l gal. 4.12 - —
19 dms gal. 4.14 - —
1 to 18 dms gal. 4.17 - —
tanks gal. 4.06 - —
absolute, dms., c.l gal. 4.42 - —
19 dms gal. 4.44 - —
1 to 18 dms gal. 4.47 - —

Grain alcohol 45c. per gal. higher.

Furfuryl, tech., cns., works lb. .45 - —
dms., c.l., 33,000 lbs., works, lb. .30 - —
l.c.l., 500 lbs. and more, works lb. .35 - —
Hexyl, secondary, dms., c.l., frt. pd. E. of Rocky Mts. lb. .10 - —
l.c.l., same terms lb. .13½- —
tanks, same terms lb. .12 - —
Isoamyl, primary, dms., l.c.l., dlvd. lb. .27 - —
cans, works lb. .32 - —
Isobutyl, refd., dms., c.l., works, frt. alld. E. of Rockies lb. .09½- —
l.c.l., same terms lb. .10 - —
tanks, same terms lb. .08½- —
Isopropyl, denat., grd., dms., c.l., frt., alld. gal. .32 - —
l.c.l., frt., alld gal. .33 - —
refd., 91% dms., c.l., f.o.b. dest. gal. .30½- —
l.c.l., same terms gal. .44½- —
tanks, same terms gal. .34½- —
98%, dms., c.l., same terms, gal. .44½- —
l.c.l., same terms gal. .49½- —
tanks, same terms gal. .39½- —
tech., 91%, dms., c.l., same terms gal. .35 - —
l.c.l., same terms gal. .40 - —
tanks, same terms gal. .30 - —
98%, dms., c.l., same terms, gal. .39½- —
l.c.l., same terms gal. .44½- —
tanks, same terms gal. .34½- —
Methyl (see Methanol)
Phenylethyl, bots., cns lb. 1.50 - 2.50
Propyl (see Isopropyl)
Aldehol, denat., grade, dms., tanks, works gal. .70 - .80
Aldol, 95%, dms., c.l., works lb. .21 - —
l.c.l., works lb. .25 - —
Aletris root, bgs lb. .43 - .50
Alizarin (see Red, alizarin).
Alkanet root, bgs lb. .11 - .12
Aloe, Barbados, true, cs lb. .85 - .90
Cape, cs lb. .18 - .19
Curacao, cs lb. .35 - .36
gourds, bbls lb. .50 - .55
Socotrine, kgs lb. .60 - .62
Aloin, 140-lb. bbls lb. 2.00 - —
100-lb. kegs lb. 2.02 - —
25-lb. fib. dms lb. 2.09 - —
Alphanaphthol, bbls lb. .52 - —
Alphanaphthylamine, bbls lb. .32 - —
Althea root, cube cut, bls lb. .30 - .32
Alum, ammonia, burnt, USP, bbls. kgs. lb. .16 - .18
gran., bbls., works 100 lbs. 3.00 - 3.05
dlvd. N.Y., Phila. 100 lbs. 3.15 - —
lump, bbls., works 100 lbs. 3.25 - 3.50
dlvd. N.Y., Phila. 100 lbs. 3.40 - —
powd., bbls., works 100 lbs. 3.40 - 3.65
dlvd. N.Y., Phila. 100 lbs. 3.55 - —

Ammonia alum prices are for contract and open market; f.o.b. Phila.; frt. equalized with Marcus Hook, Boston, Atlanta, or Joliet; rail or water rates, whichever is lower. L.c.l. quantities must carry l.c.l. rate applying; for truck or ex warehouse deliveries all metrop. zones (except N.Y.) add l.c.l. rail or water rate, whichever is lower, from shipping or equalization point; dlvd. N.Y. prices apply to truck or ex warehouse.

Potash, gran., bbls., works, 100 lbs. 3.25 - 3.50
dlvd. N.Y., Phila. 100 lbs. 3.40 - —
lump, bbls., works 100 lbs. 3.50 - 3.75
dlvd. N.Y., Phila. 100 lbs. 3.65 - —
powd., bbls., works 100 lbs. 3.65 - 3.90
dlvd. N.Y., Phila. 100 lbs. 3.80 - —

Potash alum prices on same basis as those for ammonia alum.

Alum—Amyl Butyrate

Alum, potash-chrome, bbls....lb. .06½- .06¾
Soda, bbls., c.l., works..100 lbs. 3.25 - —
l.c.l., dlvd.....100 lbs. 4.25 - 5.00
Alumina acetate, C.P. 20% solut., bbls..lb. .09 - .10
Chloride, anhyd., com'l, dms. (extra), 45,000 lbs. and over, works..lb. .05 - —
12,000 to 40,000 lbs., works..lb. .06 - —
1,100 to 11,000 lbs., works..lb. .07 - —
140 to 875 lbs., works..lb. .08 - —
100 lbs., or less, works..lb. .09 - —
cryst., com'l, dms., c.l., works..lb. .06 - —
l.c.l., dms.. works.....lb. .06½- —
solution, 32 deg., cbys., c.l., works..lb. .02¾- —
l.c.l., cbys., works.....lb. .06¼- —
Hydrate, heavy, bbls., c.l., works..lb. .0290- —
less car lots, works....lb. .03½- —
light, bbls., dlvd.....lb. .12 - —
Oleate, dms., contr.....lb. .16¾- —
open order.....lb. .17½- .18½
Palmitate, precip., bbls.....lb. .25 - —
Resinate, precip., dms., dlvd.lb. .15 - —
Stearate, precip., bbls., ctns., c.l..lb. .19 - —
l.c.l., ton.....lb. .20 - —
less than ton.....lb. .21 - —
Sulphate, com'l bgs., c.l., works, frt. equaled..100 lbs. 1.35 - —
l.c.l., works, frt. equald.. 100 lbs. 1.60 - —
bbls., c.l., works, frt. equald. 100 lbs. 1.55 - —
l.c.l., works, frt. equald. 100 lbs. 1.80 - —

Alumina, sulphate, iron-free, bgs., c.l., works..100 lbs. 2.00 - —
l.c.l., works.....100 lbs. 2.25 - 2.40
truckloads, bgs.....100 lbs. 2.40 - —
10 to 24, dlvd. met. N.Y. 100 lbs. 2.55 - —
5 to 9, dlvd. met. N.Y. 100 lbs. 2.80 - —
1 to 4, dlvd. met. N. Y. 100 lbs. 3.30 - —
bbls., c.l., works.....100 lbs. 2.20 - —
l.c.l., works.....100 lbs. 2.45 - —
truckloads, dlvd., met. N.Y. 100 lbs. 2.60 - —
10 to 24, dlvd. met. N.Y. 100 lbs. 2.75 - —
5 to 9, dlvd., met. N.Y. 100 lbs. 3.00 - —
1 to 4, dlvd. met. N.Y. 100 lbs. 3.50 - —
Aluminum, 98-99%, dms., c.l...lb. .20 - —
l.c.l. .....lb. .21 - —
paste, extra fine lining, dms., 30,000 lbs., frt. alld. E. of Miss..lb. .63½- —
5,000 lbs., same basis..lb. .64½- —
2,000 lbs., single shipt., same basis..lb. .65 - —

On 2,000-lb. orders in split shipment the price is ½c. higher in lots of 400 lbs. and more; 1c. higher in lots of 200-399 lbs.; 3c. higher in lots of 10-199 lbs.; on smaller orders the price is higher than the 2,000-lb. basis by 1c. in lots of 1,000 lbs. and more; 2c. on 400-999 lbs.; 5c. on 200-399 lbs.; 10c. on 10-199 lbs.

Aluminum, paste, ink, dms., 30,000 lbs., same basis..lb. .73½- —
5,000 lbs., same basis..lb. .74½- —
2,000 lbs., single shipt., same basis..lb. .75 - —
split shipts. (see note fine lining paste).
standard, dms., 30,000 lbs., same basis..lb. .41½- —
5,000 lbs., same basis..lb. .42½- —
2,000 lbs., single shipt.. same basis..lb. .43 - —
split shipts. (see note fine lining paste).
powder, lining, extra fine, dms., 30,000 lbs., same basis..lb. .90½- —
5,000 lbs., same basis..lb. .91 - —
2,000 lbs., single shipt., same basis..lb. .92 - —
split shipts. (see note fine lining paste).
standard, dms., 30,000 lbs., same basis..lb. .55½- —
5,000 lbs., same basis..lb. .56½- —
2,000 lbs., single shipt., same basis..lb. .57 - —
split shipts. (see note fine lining paste).
litho, extra brilliant, dms., 30,000 lbs., same basis, lb. .41½- —
5,000 lbs., same basis.lb. .42½- —
2,000 lbs., single shipt., same basis..lb. .43 - —
split shipts. (see note fine lining paste).
extra fine, dms., 30,000 lbs., same basis..lb. .45½- —
5,000 lbs., same basis..lb. .46½- —
2,000 lbs., single shipt., same basis..lb. .47 - —
split shipts. (see note fine lining paste).

Aluminum, powd., litho., standard dms., 30,000 lbs., same basis..lb. .40½- —
5,000 lbs., same basis..lb. .41½- —
2,000 lbs., single shipt., same basis..lb. .42 - —
split shipts. (see note fine lining paste).
wallpaper, dms., 30,000 lbs., same basis..lb. .41½- —
5,000 lbs., same basis..lb. .42½- —
2,000 lbs., single shipt., same basis..lb. .43 - —
split shipts. (see note fine lining paste)
rubber comp., dms., 30,000 lbs., same basis..lb. .33½- —
5,000 lbs., same basis..lb. .39½- —
2,000 lbs., single shipt., same basis..lb. .40 - —
split shipts (see note fine lining paste)
unpolished, dms., 30,000 lbs., same basis..lb. .35½- —
5,000 lbs., same basis..lb. .36½- —
2,000 lbs., single shipt., same basis..lb. .37 - —
split shipts. (see note fine lining paste)
varnish, extra brilliant, dms., 30,000 lbs., same basis..lb. .41½- —
5,000 lbs., same basis.lb. .42½- —
2,000 lbs., single shipt., same basis..lb. .43 - —
split shipts. (see note fine lining paste)
extra fine, dms., 30,000 lbs., same basis..lb. .45½- —
5,000 lbs., same basis.lb. .46½- —
2,000 lbs., single shipt., same basis..lb. .47 - —
split shipt (see note fine lining paste)
standard, dms., 30,000 lbs., same basis..lb. .40½- —
5,000 lbs., same basis.lb. .41½- —
2,000 lbs., single shipt., same basis..lb. .42 - —
split shipts. (see note fine lining paste)

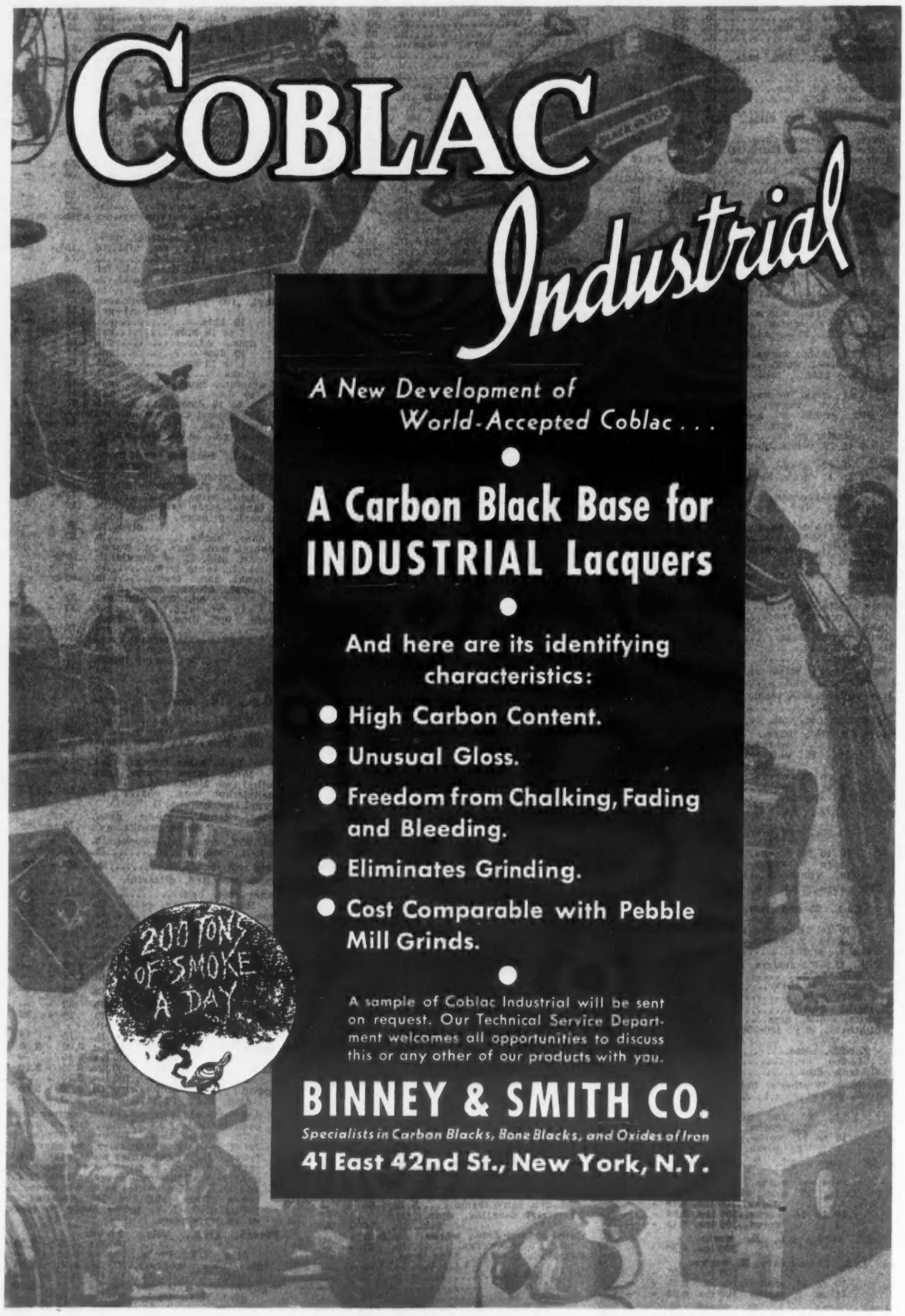
Aluminum powder and paste prices are nominal.
Ambergris, gray, tins.....oz. 17.00 -35.00
Aminopyrine, fib., dms., 100 lbs., lb. 4.00 - —
bots., 5 lbs. .....lb. 4.22 - 4.25
Ammonia, acetate, kgs.....lb. .26 - .33
Aldehyde, dms. .....lb. .65 - .70
Anhydrous, fertilizer, com'l, tanks (50,000 lbs.), works..lb. .04½- —
refrigeration, tanks, works..lb. .05 - —
pure, cyls., dlvd., met. N.Y., lb. .16 - .22

Anhydrous ammonia in cylinders is quoted on a nationwide schedule of delivered and stock point prices in all States.

Aqua, 26°, cbys.....lb. .05¼- —
dms., c.l.....lb. .02¼- —
l.c.l. .....lb. .02½- —
tanks (on NH_3 content), dlvd., E..lb. .05 - .05¼
Benzoate, dms., 4,000 lbs. or more..lb. .41 - .43
1,000 lbs. to 3,900 lbs....lb. .42 - .45
900 lbs. or less.....lb. .45 - .48
kgs., 4,000 lbs. or more...lb. .40 - —
1,000 lbs., to 3,900 lbs...lb. .41 - —
900 lbs. or less.....lb. .44 - —
Bicarbonate, bbls., c.l., works, 100 lbs. 3.15 - —
l.c.l., dlvd., N. Y....100 lbs. 3.71 - —
Bichromate, bbls.....lb. .32 - —
Bifluoride, bbls.....lb. .16 - .18
Borate, bbls., kgs.....lb. .15 - .16
Bromide, gran., bbls.....lb. .35 - —
bxs. .....lb. .38 - .39
kgs. .....lb. .36 - —
.06 - .12¾
imported, csks. .....lb. .06 - .12½
Carbonate, tech., dom., bbls. USP, lump, dms.....lb. .08 - .11
powd., bbls., dms.....lb. .09 - —
Chloride, tech. (see Ammoniac, sal).
USP, gran., bbls.....lb. .11 - .16
kgs. .....lb. .15 - —
Citrate, dms.....lb. .80 - —
cns. .....lb. .85 - —
Fluoride, bbls.....lb. .17 - .19
Hydroxide (see Ammonia, aqua).
Hypophosphite, fib., dms....lb. 1.10 - 1.17
jars .....lb. 1.20 - —
Iodide, 5-lb. bots.....lb. 3.32 - —
jars .....lb. 3.25 - —
Laurate, bbls.....lb. .23 - —
Linoleate, 80%, anhyd., bbls.lb. .15 - —
Naphthenate, bbls.....lb. .17 - —
Nitrate, tech., bags, c.l., works, 100 lbs. 3.60 - —
bbls., works.....100 lbs. 3.75 - —
l.c.l., bags, works.....100 lbs. 3.85 - —
bbls., works.....100 lbs. 4.00 - —
Oleate, dms.....lb. .15 - —
Oxalate, neutral, cryst., powd., bbls., kgs..lb. .22½- —
Perchlorate, kgs.....lb. .16 - —
Persulphate, kgs.....lb. .21 - —
Phosphate, dibasic, N.F.V., bbls. lb. .37 - —
kgs. .....lb. .39 - —
tech., bbls., c.l.....lb. .07½- —
l.c.l. .....lb. .09 - .10
monobasic, crude (fertilizer grade), 11% N 48% phos., bulk, f.o.b. E. works..unit-ton. 1.20 & .70
pure, bbls.....lb. .40 - .45
tech., bbls., c.l.....lb. .07½- —
l.c.l. .....lb. .09 - .10
Ricinoleate, bbls.....lb. .15 - —
Salicylate, USP, kgs.....lb. 1.15 - 1.20
Sulphate, dom., bulk, c.l., f.o.b. ports or ovens, contr., 6-8 mos., Nov.-Dec. ton. 28.00 - —
Jan.-June, 1938...ton. 28.50 - —

Ammonia sulphate contracts any 1-5 mos., through June 1938, $1 per ton additional; spot prices $1 per ton additional. Bag packing charged extra at $1.30 per ton for 200's and $2 per ton for 100's. Deliveries in Ill., Mich., Ind., Ohio, Wis. and Ohio river destinations in Ky. are f.o.b. ovens freight allowed.

Sulphide, liquid, 35-40%, basis 100%, dms., works..lb. .12 - .15
tanks, delvd .....lb. .11 - —
Sulphocyanide, com'l, fib., dms., 2,000 lbs., works..lb. .14 - —
smaller lots, works.....lb. .16 - —
pure, 99-100%, kgs.....lb. .55 - —
Ammoniac, gum (see Gum, ammoniac).
Sal, gray, dom., bbls., c.l., 100 lbs. 5.50 - 5.75
l.c.l. .....100 lbs. 6.00 - 6.70
white, gran., dom., bbls., contracts, works. 100 lbs. 5.00 - 5.05
import, csks .....100 lbs. 5.00 - 5.05
Amyl acetate, ex fusel oil, dms., c.l., works..lb. .11½- —
l.c.l., frt., alld.....lb. .12 - —
tanks, works .....lb. .10½- —
ex pentane, dms., frt. alld..lb. .125 - —
l.c.l., frt., alld.....lb. .135 - —
tanks, frt., alld.....lb. .115 - —
secondary, dms., c.l., frt. pd., E. of Rocky Mts..lb. .06¼- —
l.c.l., same terms.....lb. .10 - —
tanks, same terms.....lb. .06¼- —
Alcohol (see Alcohol amyl.)
Butyrate, dms., 50 gal., returnable..lb. .75 - —


COBLAC
Industrial
A New Development of
World-Accepted Coblac . . .
A Carbon Black Base for
INDUSTRIAL Lacquers
And here are its identifying characteristics:
● High Carbon Content.
● Unusual Gloss.
● Freedom from Chalking, Fading and Bleeding.
● Eliminates Grinding.
● Cost Comparable with Pebble Mill Grinds.
A sample of Coblac Industrial will be sent on request. Our Technical Service Department welcomes all opportunities to discuss this or any other of our products with you.
BINNEY & SMITH CO.
Specialists in Carbon Blacks, Bone Blacks, and Oxides of Iron
41 East 42nd St., New York, N.Y.
200 TONS OF SMOKE A DAY

Amyl, caproate, cns.....lb. 2.75 - —
Chloride, normal, dms., works, lb. .56 - —
small lots, works.....lb. .68 - —
mixed, tech., dms., c.l., works..lb. .07 - —
l.c.l., works .....lb. .077 - —
tanks, works.....lb. .06 - —
Cinnamic aldehyde, cns.....lb. 2.00 - 2.25
Nitrite, bots.....lb. 1.80 - 1.65
Mercaptan, dms., l.c.l., works.lb. 1.10 - —
Oleate, dms., l.c.l., works...lb. .25 - —
Salicylate, bots., 5 lbs.....lb. .61 - —
cns., 25 lbs.....lb. .51 - —
Stearate, dms., l.c.l., works.lb. .26 - —
Amylene, dms., c.l., works....lb. .102 - —
l.c.l., works.....lb. .11 - —
tanks, works.....lb. .09 - —
Anethol, bots.....lb. 1.30 - 1.35
Angelica root, dom., bls.....lb. .30 - .31
import, natural, bls.....lb. .28 - .30
twisted, bls.....lb. .30 - .40
Angostura bark, bls.....lb. .40 - .45
Anilin oil, dms.....lb. .15 - .16
tanks .....lb. .14½- —
Salt, dms., works.....lb. .22 - .24
Anise, Spanish, bgs.....lb. .11¾- .12¼
Star, bgs.....lb. .15 - .16
Anisic aldehyde, bots.....lb. 3.00 - 3.10
Annatto paste, bxs.....lb. .84 - .89
Seed, bgs.....lb. .07¾- .08½
Anthraquinone, 99.5%, subl., bbls. lb. .65 - —
Antimony, butter (see Antimony chloride)
Chloride, solut., cbys.....lb. .17 - —
Metal, spot.....lb. .14¾- —
Needle, powd., bbls.....lb. .14 - .16
Oxide, bbls., c.l.....lb. .15½- —
l.c.l. .....lb. .15¾- —
Salts, 65%, kgs.....lb. .23¾- .24
White, pigment, bgs., c.l., Texas works, frt. alld. to ½c. lb., lb. .12½- .15¼
Antipyrene, bbls., kgs., ton lots, lb. 2.00 - —
smaller lots.....lb. 2.10 - 2.15
Apomorphine, bots.....oz. 23.20 -23.70
Archil extract, conc., bbls.....lb. .21 - .27
double, bbls.....lb. .18 - .20
triple, bbls.....lb. .18 - .20
Areca nuts, powd., bbls.....lb. .11 - .12
Arecoline hydrobromide, bots., oz. 4.75 - 5.00
Argols, test 70% to 85%, basis 100%, 100 kgm., purity..... 100 kilos.32.00 -34.00
Arnica flowers, bls.....lb. .35 - .36
Root, bls.....lb. .38 - .40
Arrowroot, St. Vincent, powd., bgs..lb. .08¾- .09¾
bbls. .....lb. .08½- .09
Arsenic iodide (arsenous), 5 lb. bots..lb. 5.15 - —
jars .....lb. 5.00 - —
Metal, lump, cs.....lb. .42 - .43
Red, import, cs.....lb. .15¾- .16¼
Trioxide (see Acid, arsenous).
White, powd., kgs., c.l.....lb. .03 - —
l.c.l. .....lb. .03¾- —
Arsenous chloride, cns.....lb. 4.85 - —
Asafetida, cs.....lb. .19 - .20
powd., bbls., bxs.....lb. .55 - .75
Asbestine (see Talc, N. Y. fibrous).
Asbestos fiber, 5M, bgs., c.l. (20 tons), Canad. mines..ton.37.50 - —
5R, bgs., c.l. (20 tons), Canad. mines—ton.35.00 - —
6D, bgs., c.l. (30 tons), Canad. mines..ton.27.00 - —
7D, bgs., c.l., (30 tons), Canad. mines..ton.23.00 - —
7F, bgs., c.l. (30 tons), Canad. mines..ton.21.00 - —
7H, bgs., c.l. (30 tons), Canad. mines..ton.17.00 - —
7K, bgs., c.l. (30 tons), Canad. mines—ton.14.50 - —
7M, bgs., c.l. (30 tons), Canad. mines..ton.12.00 - —
Asphaltum, Barbados, A, bgs., 20 tons, f.o.b. N. Y.....lb. .02¼- —
smaller lots, f.o.b. N. Y.lb. .03½- —
AA, bgs., 20 tons, f.o.b. N.Y., lb. .03½- —
smaller lots, f.o.b. N. Y.lb. .10½- —
California, dms., c.l., f.o.b. N.Y. ton.29.00 - —
l.c.l., f.o.b. N. Y.....ton.36.50 - —
Cuban A, bgs., c.l., f.o.b. N. Y. ton.60.00 - —
l.c.l., f.o.b. N. Y.....ton.90.00 - —
B, bgs., c.l., f.o.b. N. Y..ton.35.00 - —
l.c.l., f.o.b. N. Y.....ton.55.00 - —
Egyptian, bgs., c.l.,f.o.b.N.Y.lb. .12 - —
l.c.l., f.o.b. N. Y.....lb. .15 - —
Gilsonite, brilliant black, bgs., c.l., Western shipt. points, ton.32.00 - —
seconds, bgs., c.l., Western shipt. points .....ton.25.50 - —
selects, bgs., c.l., Western shipt. points..ton.38.50 - —
l.c.l., f.o.b., N. J. or N. Y., whse..ton.49.50 - —
Jet, bgs., c.l., Western shipping points..ton.30.50 - —
Maltha, dms., c.l.,f.o.b.N.Y.ton.29.00 - —
l.c.l., f.o.b. N. Y.....ton.36.50 - —
Manjak (see Asphaltum, Barbados).
Mexican, Texas, dms., c.l., refinery..ton.19.00 - —
l.c.l., refinery.....ton.21.00 - —
tanks, refinery.....ton.16.00 - —
Petroleum cut-back, bbls., l.c.l., E. cst. refinery. gal. .13 - —
dms., c.l., E. cst., refinery, gal. .12 - —
tanks, Calif., refinery....ton.12.50 -14.00
East Coast, refinery...gal. .06 - .06½
Ill., Ind., refinery.....gal. .06½- —
N. Orleans refinery....gal. .06 - —
Wyo., refinery.....gal. .07½- —
Atropine, bots.....oz. 5.25 - 5.80
Sulphate, bots.....oz. 2.90 - 3.55
cns. .....oz. 2.85 - —

B

Balm of Gilead buds, bgs.....lb. .40 - .45
Barberry bark, bgs.....lb. .22 - .25
Tree bark, bls.....lb. .10 - .11
Barbital, cs.....lb. 3.25 - 3.30
Barium carbonate, natural, 90%, grd., bgs., c.l., works, ton.44.00 - —
99%, 200 mesh, bgs., c.l., works..ton.47.00 - —
precip., bgs., c.l., works..ton.52.50 - —
bbls., works .....ton.57.50 - —
l.c.l., bgs., works.....ton.57.50 - —
bbls., works .....ton.62.50 - —
sulphur-free bgs., bbls., c.l., works..ton.57.50 -62.50
Chlorate, kgs. .....lb. .16½- .17½
Chloride, C.P., cryst., bbls..lb. .19 - —
dms .....lb. .20 - —
Barium, chloride, tech., dom., cryst., bgs., c.l., Zone 1, dlvd. New England States, N. Y., N. J., Pa., Md., Dels., Va., West Va., Ohio, Mich., Ind., Wisc., Ill., Ky. and principal cities on west bank of Miss., north of Ark. line.....ton.72.00 - —
Barium chloride, tech., dom., cryst., c.l., Zone 1, bbls., same basis..ton.74.00 - —
l.c.l., bgs., same basis, ton.85.00 - —
bbls., same basis..ton.87.00 - —
Zone 2, bgs., c.l., dlvd. Tenn., N. - S. Carolina, Ga., Ala., Miss., Fla..ton.76.00 - —
bbls., same basis..ton.78.00 - —
l.c.l., bgs., same basis, ton.89.00 - —
bbls., same basis..ton.91.00 - —
Zone 3, bgs., c.l., dlvd. Minn., Ia., Mo., Col., N. Mex., Idaho, Utah, Ariz., ton.82.00 - —
bbls., same basis..ton.84.00 - —
l.c.l., bgs., same basis, ton.95.00 - —
bbls., same basis..ton.97.00 - —
Zone 4, bgs., c.l., dlvd. Wash., Ore., Calif., Nev..ton.78.00 - —
bbls., same basis..ton.80.00 - —
l.c.l., same basis....ton.91.00 - —
bbls., same basis..ton.93.00 - —
Dioxide, dms.....lb. .11 - .15
Fluoride, bbls.....lb. .15 - .16
Fluosilicate, bbls.....lb. .15 - .16
Hydrate (see Hydroxide).
Hydroxide, bbls.....lb. .04¾- .05½
Iodide, bots.....lb. 4.30 - 4.45
Monoxide (see Oxide).
Nitrate, cks.....lb. .07 - .08¾
Oxide, dms. .....lb. .11 - .15
Peroxide (see Dioxide).
Sulphate, tech. (see Barytes and blanc fixe).
X-ray, bbls.....lb. .09¼- .10
kgs. .....lb. .12 - —
Barytes, dom., floated, bbls., c.l., St. Louis..ton.23.65 - —
l.c.l., ex whse., Boston, ton.36.00 - —
Chicago .....ton.31.15 - —
Cleveland .....ton.33.50 - —
New York.....ton.32.00 - —
paper bgs., c.l., St. Louis, ton.22.85- —
l.c.l., ex car, Baltimore, ton.30.70 - —
Boston .....ton.31.70 - —
Philadelphia .....ton.30.50 - —
ex whse., Baltimore.ton.32.10 - —
Boston .....ton.35.20 - —
Chicago .....ton.30.35 - —
Cleveland .....ton.33.00 - —
Detroit .....ton.33.00 - —
Kansas City.....ton.30.93 - —
Los Angeles.....ton.42.90 - —
New York.....ton.31.50 - —
Philadelphia .....ton.31.90 - —
San Francisco.....ton.42.00 - —
Toronto .....ton.29.20 - —
Southern off color, bulk, mines..ton.12.00 - —
95.75%, bulk, mines.....ton.16.00 - —
ore, bulk, mines, long ton 7.00 - —
German, grd., bbls., c.l., dock., t.a..ton.25.00 -26.00
l.c.l., ex wrhse.....ton.30.00 - —
ungrd., bulk, c.l., ex dock, ton.12.00 -14.00
Italian, grd., bbls., c.l., ex dock, t.a..ton.29.50 Nom.
l.c.l., ex wrhse.....ton.32.50 - —
Bauxite, bulk, mines.....ton. 7.00 -10.00
Bay leaves (see Laurel leaves)
Bay rum, import, bbls.....gal. .71½ Nom.
Bayberry bark, bgs.....lb. .15 Nom.
Belladonna leaves, bls.....lb. .14 - .15
Root, bls. .....lb. .12 - .15
Bentonite, 200 mesh, bgs., Wyo. works..ton.11.00 - —
325 mesh, bgs., Wyo. works, ton.16.00 - —
Benzaldehyde, tech., cbys., dms., lb. .60 - .70
USP, X, dms., 50 to 100 lbs..lb. .85 - —
5 to 25 lbs.....lb. .90 - .95
Benzene (see benzol).
Benzidin base, bbls.....lb. .70 - —
Benzol, 90%, nitration, pure, dms., works..gal. .21 - —
tankcars, frt. alld. E. of Omaha..gal. .16 - —
Benzol tankcar prices, West, f.o.b. sellers' works.
Benzoyl chloride, dms.....lb. .40 - .47
Benzyl acetate, f.f.c., bots....lb. .55 - 1.00
Alcohol (see Alcohol, benzyl).
Benzoate, a.m.s., f.f.c., tins.lb. .90 - 1.20
Chloride, 95-97%, refd., dms..lb. .30 - .40
tech., dms.....lb. .25 - .26
Formate, cns.....lb. 2.75 - 3.50
Benzylidineacetone, bots.....lb. 2.35 - 3.50
Berberine bisulphate, cns....lb.16.75 - —
Hydrochloride, cns.....lb.16.75 - —
Sulphate, cns.....lb.16.75 - —
Berberis root, bls.....lb. .15 - .16
Betanaphthol, subim., bbls....lb. .55 - —
kgs. .....lb. .60 - —
tech., bbls., c.l., works....lb. .28 - —
l.c.l., bbls., works.....lb. .24 - —
Benzoate, fib. dms.....lb. 2.10 - —
kgs. .....lb. 2.00 - —
Betanaphthylamine, tech., kgs.lb. .51 - —
Beth root, bls.....lb. .16 - .18
Bismuth chloride, 5-lb. bots...lb. 3.20 - 3.25
Citrate, USP, VIII, 5-lb. bots., lb. 2.76 - —
jars .....lb. 2.65 - —
Hydroxide, 5-lb. bots.....lb. 3.27 - —
cns. .....lb. 3.15 - —
Metal, ton lots.....lb. 1.00 - —
Nitrate, cryst., 5-lb., bots...lb. 1.34 - —
cns. .....lb. 1.20 - —
Oxychloride, 5-lb. bots.....lb. 3.04 - —
cns., kgs.....lb. 2.95 - —
Subbenzoate, 5-lb. bots.....lb. 3.36 - —
cns. .....lb. 3.25 - —
Subcarbonate, bots., cns.....lb. 1.33 - 1.38
fib. dms.....lb. 1.23 - 1.26
X-ray, 5-lb. bots.....lb. 2.52 - —
fib. dms.....lb. 2.46 - —
Subgallate, bots., cns.....lb. 1.42 - 1.68
fib. dms.....lb. 1.33 - 1.36
Subiodide, cns.....lb. 3.91 - —
fib. dms.....lb. 3.83 - —
Subnitrate, powd., bots., cns., lb. 1.22 - 1.48
fib., dms.....lb. 1.13 - 1.16
Subsalicylate, 62-65%, bxs..lb. 2.44 - —
bbls., fib. dms.....lb. 2.35 - —
Sulphocarbolate, 5-lb. bots...lb. 3.61 - —
fib. dms.....lb. 3.50 - —
Trioxide, powd., 5-lb. bots...lb. 3.58 - —
cns. .....lb. 3.45 - —
Bismuth-ammonia citrate, USP, powd., 5-lb. bots...lb. 3.40 - —
cns. .....lb. 3.30 - —
Bismuth-betanaphthol, 5-lb. bots., lb. 3.14 - —
fib. dms.....lb. 3.05 - —
Black, acetylene, c.l., dlvd....lb. .15 - —
Bone, 1A, bbls., bgs., c.l., frt. alld. E..lb. .16 - —
l.c.l., frt. alld. E.....lb. .16½- —
1, bbls., bgs., c.l., frt. alld. E...lb. .12½- —
l.c.l., frt. alld. E.....lb. .13 - —
2, bbls., bgs., c.l., frt. alld. E...lb. .10½- —
l.c.l., frt. alld. E.....lb. .11 - —
3, bbls., bgs., c.l., frt. alld. E...lb. .09½- —
l.c.l., frt. alld. E.....lb. .10 - —
4, bbls., bgs., c.l., frt. alld. E...lb. .08½- —
l.c.l., frt. alld. E.....lb. .09 - —
Black, bone, 5, bbls., bgs., c.l., frt. alld. E..lb. .07½- —
l.c.l., frt. alld. E.....lb. .08 - —
4, bbls, bgs., c.l., frt. alld. E. lb. .06½- —
l.c.l., frt. alld. E.....lb. .07 - —
7, bbls., bgs., c.l., frt. alld. E..lb. .00 - —
l.c.l., frt. alld. E.....lb. .00½- —
Bone black prices on Pacific Coast are 1c. per lb. higher, ex dock or ex whse.
Carbon, special, 1, bgs., c.l., works..lb. .05 - —
l.c.l., dlvd.....lb. .07½- —
ctns., l.c.l., dlvd.....lb. .08¼- —
cs., l.c.l., dlvd.....lb. .09 - —
2, bgs., c.l., works.....lb. .08½- —
l.c.l., dlvd.....lb. .10½- —
cs., l.c.l., dlvd.....lb. .12 - —
3, bgs., c.l., works.....lb. .13 - —
l.c.l., dlvd.....lb. .14½- —
cs., l.c.l., dlvd.....lb. .16½- —
4, bgs., c.l., works.....lb. .27½- —
cs., c.l., works.....lb. .29 - —
l.c.l., dlvd.....lb. .32 - —
5, bgs., cs., c.l., works..lb. .40 - —
cs., l.c.l., dlvd.....lb. .44 - —
6, cs., l.c.l., dlvd.....lb. .60 - —
7, cs., l.c.l., dlvd.....lb. 1.10 - —
standard, bgs., c.l., dlvd., rail zone A (Gulf ports), for delivery in N. A., (water freights extra). lb. .0345- —
B (Ark., Col., Kan., part of Mo., N. M., Tex., except coastal ports)..lb. .03¾- —
50,000 lbs., dlvd., Zone C (Pac. Cst. States)...lb. .0390- —
30,000 lbs., dlvd., Zone C, Pac. Cst. States..lb. .0405- —
D (Ill., Ia., Wis.)—lb. .0390- —
E (Fla., Ga., Ind., Ky., Mich., part of N. Y., Ohio, part of Pa., Tenn., W. Va.)...lb. .0405- —
F (Me., Md., Mass., N. H., N. J., part of N. Y., N. C., part of Pa., R. I., S. C., Vt., Va.)..lb. .0435- —
G (Mexico).....lb. .0455- —
l.c.l., f.o.b. whse.....lb. .06½- —
bulk, tankcars, ¼c. per lb. less than bgs. in each zone.
ctns., l.c.l., ex-whse.....lb. .07 - —
cs., l.c.l., ex-whse.....lb. .07¾- —
export, full, comprsd., cs., f.a.s. Gulf ports..lb. .05½ Nom.
uncompressed, cs., f.a.s. Gulf ports..lb. .06 Nom.
Charcoal (see C).
Graphite (see G).
Iron oxide, magnetic, 1, bbls., l.c.l., works..lb. .07¾- .08½
2, bbls., l.c.l., works....lb. .07 - —
pure, bbls., works.....lb. .08¾- —
Ivory, genuine, bbls.....lb. .30 - .35
Lamp, dom., 1, ctns., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
2, ctns., c.l., works.....lb. .09 - —
l.c.l., works.....lb. .10 - —
2A, ctns., c.l., works....lb. .11 - —
l.c.l., works.....lb. .12 - —
3, ctns., c.l., works.....lb. .13 - —
l.c.l., works.....lb. .14 - —
4, ctns., c.l., works.....lb. .14 - —
l.c.l., works.....lb. .15 - —
5, ctns., c.l., works.....lb. .17 - —
l.c.l., works.....lb. .18 - —
6, ctns., c.l., works.....lb. .24 - —
l.c.l., works.....lb. .25 - —
7, ctns., c.l., works.....lb. .34 - —
l.c.l., works.....lb. .25 - —
Import, 1, bbls., c.l., f.o.b. N. Y..lb. .08 - —
l.c.l., f.o.b. N. Y.....lb. .09 - —
2, bbls., c.l., f.o.b. N. Y..lb. .11 - —
l.c.l., f.o.b. N. Y.....lb. .12 - —
3, bbls., c.l., f.o.b. N. Y..lb. .13 - —
l.c.l., f.o.b. N. Y.....lb. .14 - —
4, bbls., c.l., f.o.b. N. Y..lb. .14 - —
5, bbls., c.l., f.o.b. N. Y..lb. .19 - —
l.c.l., f.o.b. N. Y.....lb. .20 - —
6, bbls., c.l., f.o.b. N. Y..lb. .24 - —
l.c.l., f.o.b. N. Y.....lb. .25 - —
Vine, A, bbls., works or N. Y. lb. .04¼- —
B, bbls., works or N. Y....lb. .05½- —
Black dyes are listed under Dyes.
Black haw, root bark, bls.....lb. .33 - .35
Tree bark, bls.....lb. .16 - .17
Black Indian hemp root, bls...lb. .12 - .13
Blanc fixe, dry, by-product, bgs., c.l..ton.55.00 - —
l.c.l. .....ton.60.00 - —
high grade precip., bgs., c.l., works, frt. equal.ton.70.00 - —
l.c.l., same basis....ton.75.00 - —
pulp, 66⅔%, bulk., c.l., works. ton.40.00 -42.50
Bleaching powder, dms., c.l., works..100 lbs. 2.00 - 2.85
l.c.l., works.....100 lbs. 2.25 - 3.35
Blood, dried, dom., 16-16½ ammon., bgs., f.o.b. N. Y. unit-ton. 3.10 - —
high-grade, grd., 16-17% ammon, bulk, f.o.b. Chi. unit-ton. 3.10 - —
import, bgs. c.i.f. ports, Dec. shipt., unit-ton. 3.35 - —
soluble (see Albumen, blood)
Bloodroot, bls.....lb. .14 - .15
Blue, alkali, toner, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis. lb. .90 - —
Alkali blue toner prices are ½c. higher dlvd Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex., (Dallas Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Bronze, bbls., same basis, alkali toner, contracts..lb. .36 - —
open order .....lb. .37 - —
Celestial, bbls. .....lb. .10 - .12
Chinese, bbls., same basis, alkali toner, contracts..lb. .36 - —
open order.....lb. .37 - —
Cobalt, genuine, 1-kilo pkg..lb. 4.90 - —
Imitation (see Blue, ultramarine, group 6).
Copper, phthalocyanin, bbls, f.o.b. works, frt. alld..lb. 3.30 - 3.75
Milori, bbls., same basis alkali toner, contracts..lb. .36 - —
open order.....lb. .37 - —
Potash, bbls., same basis alkali toner, contracts..lb. .45 - —
open order.....lb. .46 - —
Prussian, bbls., same basis alkali toner, contracts..lb. .36 - —
open order.....lb. .37 - —
Soluble, bbls., same basis alkali toner, contracts..lb. .36 - —
open order.....lb. .37 - —
Tungstated, peacock, kegs...lb. 4.00 - —
Victoria, kegs.....lb. 3.85 - —
Ultramarine, dry, jobbing, bbls., works, frt. equaled..lb. .10 - —

Amyl Caproate—Buchu

Blue, ultramarine, dry, regular 1, bbls., works, frt. equaled. lb. .15 - —
2, bbls., same basis....lb. .17 - —
3, bbls., same basis....lb. .18 - —
4, bbls., same basis....lb. .19 - —
5, bbls., same basis....lb. .22 - —
6, cobalt, A, same basis..lb. .26 - —
B, bbls., same basis.lb. .23 - —
C, bbls., same basis.lb. .22 - —
D, bbls., same basis.lb. .21 - —
7, A, bbls., same basis..lb. .22 - —
B, bbls., same basis..lb. .21 - —
special, 1, bbls., same basis lb. .18 - —
2, bbls., same basis....lb. .19 - —
3, bbls., same basis....lb. .21 - —
4, bbls., same basis....lb. .22 - —
5, bbls., same basis....lb. .24 - —
6, bbls., same basis....lb. .26 - —
pulp, 1, bbls., same basis..lb. .26 - —
2, bbls., same basis.....lb. .24 - —
3, bbls., same basis.....lb. .22 - —
4, bbls., same basis.....lb. .19 - —
Ultramarine, blue, dlvd, ex whse, is 1c. higher; Pac. Coast ex whse., 2c. higher; 100-lb. kgs., 1c. above bbls.; 28-lb. boxes 5c. above bbls.
Victoria, ink toner, bbls., same basis alkali toner..lb. 1.85 - —
Blue dyes are listed under Dyes.
Blueflag root, bls.....lb. .15 - .16
Blue mass, USP., cns., kgs...lb. 1.00 - 1.02
Blue vitriol, 99%, cryst., bbl-c.l., f.o.b. works..100 lbs. 4.50 - —
16-25 bbls., same basis, 100 lbs. 4.75 - —
6-15 bbls., same basis, 100 lbs. 4.85 - —
3-5 bbls., same basis 100 lbs. 5.10 - —
1-2 bbls., same basis 100 lbs. 5.25 - —
monohydrated, dms., c.l. dealers..lb. .09¼- .0935
l.c.l., dealers.....lb. .10¼- .1065
Bluestone (see Blue vitriol)
Bone, raw, dom., 4⅛% ammon., 50% phos., bgs., f.o.b. Chicago..ton.28.00 -29.00
c.i.f. Atlantic ports...ton.30.00 - —
import, bgs., c.i.f., ports.ton.29.00 - —
meal, steamed, dom., 3% ammon. 50% phos., bgs., f.o.b. Chicago..ton.22.00 -23.00
import, 100-lb. bgs., c.i.f. ports, shipt..ton.24.00 - —
phosphate, precip, (see Calcium phosphate dibasic, precip.)
steamed, dom., 1¼% ammon. 60% phos., bgs., f.o.b. Chicago..ton.19.00 -21.00
import, 1% ammon., 65-70% phos., bgs., c.i.f. ports..ton.22.00 - —
Borage flowers, bls.....lb. .20 - .21
gran., bbls., contracts, 80 tons min., dlvd..ton.52.00 - —
l.c.l., ex whse.....ton.67.00 -72.00
sks., contracts, 80 tons min., dlvd..ton.48.00 - —
l.c.l., ex whse.....ton.57.00 -62.00
Borax, tech., gran., bbls., contracts, 80 tons min., dlvd..ton.52.00 - —
l.c.l., ex whse.....ton.61.00 -66.00
sks., contracts, 80 tons min., dlvd..ton.42.00 - —
l.c.l., ex whse.....ton.56.00 -61.00
bbls., contracts, 80 tons min., dlvd..ton.57.00 - —
l.c.l., ex whse.....ton.66.00 -71.00
sks., contracts, 80 tons min., dlvd..ton.47.00 - —
l.c.l., ex whse.....ton.56.00 -61.00
USP., $15 per ton higher.
Bordeaux mixture, dms., c.l., dealers..lb. .11 - —
l.c.l., dealers, dms..lb. .11¼- —
Bordeaux mixture prices are works or whse. basis, frt. alld. to dest. in lots 96 lbs. and over; no trucking or freight allowances for works or warehouse pick-ups.
Borneol, bots.....lb. 1.75 - 2.00
cns .....lb. 1.50 - —
Brazilwood extract (see Hypernic).
Brimstone (see Sulphur).
Bromine, purif., cs., 1,000 lbs., frt. alld. E. of Rockies..lb. .30 - —
single pkg., same basis.lb. .35 - —
Bromoform, USP, bots.....lb. 1.40 - 1.60
Bromstyrol, bots. .....lb. 3.25 - 4.50
Bronze powder, aluminum (see A).
Gold, litho, cns., dms., over 10 lbs..lb. .45 - .65
moulding, cns., dms., over 10 lbs..lb. .65 - .90
printing ink, cns., dms., over 10 lbs..lb. .70 - 1.10
radiator, cns., dms., over 10 lbs..lb. .45 - .50
Broomtop, bls.....lb. .11 - .13
Brown, iron oxide, pure precip., cks., f.o.b. N.Y., or works..lb. .12½- —
Metallic, bbls., works.....lb. .02¾- —
paper bags, c.l., works.....lb. .0210- —
Sienna, burnt, American, bbls., works..lb. .03 - —
Italian, 1, bbls., f.o.b. N.Y. or Pa. points..lb. .12¼- —
2, bbls., same basis....lb. .11¼- —
3, bbls., same basis....lb. .10¼- —
4, bbls., same basis....lb. .08¾- —
5, bbls., same basis....lb. .08¾- —
6, bbls., same basis....lb. .08¼- —
7, bbls., same basis....lb. .08 - —
8, bbls., same basis....lb. .07¾- —
9, bbls., same basis....lb. .07½- —
10, bbls., same basis....lb. .06¾- —
11, bbls., same basis....lb. .06¾- —
12, bbls., same basis....lb. .06¼- —
13, bbls., same basis....lb. .06 - —
14, bbls., same basis....lb. .05½- —
raw, American, bbls., works, lb. .02¾- —
Italian, 1, bbls., f.o.b. N. Y. or works.....lb. .12½- —
2, bbls., same basis....lb. .10¾- —
3, bbls., same basis....lb. .11 - —
4, bbls., same basis....lb. .09½- —
5, bbls., same basis....lb. .09 - —
6, bbls., same basis....lb. .08½- —
7, bbls., same basis....lb. .07¾- —
8, bbls., same basis....lb. .07¼- —
9, bbls., same basis....lb. .06¾- —
10, bbls., same basis....lb. .06 - —
11, bbls., same basis....lb. .05 - —
Umber, American, bbls. works. lb. .02¾- —
Turkey, bbls., l.c.l., f.o.b. Bethlehem, Pa., Easton, Pa., N.Y.....lb. .04 - —
St. Louis.....lb. .04¾- —
ex car Los Angeles...lb. .04½- —
ex dock Portland, San Francisco, Seattle..lb. .04¾- —
ex whse. Boston.....lb. .04½- —
Chicago, Indianapolis, New Orleans.....lb. .04¾- —
Kansas City.....lb. .05 - —
Los Angeles, Portland, San Francisco, Seattle, lb. .04¾- —
Minneapolis .....lb. .0485- —
Pittsburgh .....lb. .04¼- —
Vandyke, bbls., l.c.l.....lb. .05¾- —
Walnut crystals, bbls.....lb. .05½- .06
Brucine, 100 oz., cns.....oz. .10 - —
Sulphate, 100 oz., cns.....oz. .07 - —
Bryonia root, bls.....lb. .10 - .11
Buchu leaves, bls.....lb. .51 - .53

Buckthorn—Charcoal

Buckthorn bark, true, bls.	lb.	.05½-	.06
Berries, bgs.	lb.	.19 -	.20
Burdock root, bls.	lb.	.09½-	.10
Burgundy pitch, dom., bbls., c.l., works.	lb.	.05½-	—
l.c.l., dlvd. E.	lb.	.06¼-	—
import., stands.	lb.	.15 -	.16
Butanes, comml., 16-32°, tanks, group 3.	gal.	.02¼-	.03¾
Butternut bark, bls.	lb.	.08 -	.09
Butyl acetate, norm., dms., c.l., contract, frt. alld.	lb.	.10 -	—
l.c.l., contract, frt. alld.	lb.	.10½-	—
tanks, contract, frt. alld.	lb.	.09 -	—
Secondary, dms., c.l., frt. pd. E. of Rocky Mts.	lb.	.08 -	—
l.c.l., same terms	lb.	.08½-	—
tanks, same terms	lb.	.07 -	—
Alcohol (see Alcohol):—			
Aldehyde, dms., l.c.l.	lb.	.17½-	—
Carbinol (see Carbinol).			
Lactate, dms.	lb.	.22½-	—
Propionate, dms., dlvd.	lb.	.17 -	—
Stearate, dms.	lb.	.26 -	—
Butyric ether, bots.	gal.	6.60 -	6.95
cns., works.	lb.	.65 -	.70
dms. frt. alld. Met. N. Y.	lb.	.60 -	—

C

Cadmium bromide, 100 lbs., works, frt. equal'd.	lb.	1.66 -	—
50 lbs., works	lb.	1.71 -	—
25 lbs., works	lb.	1.76 -	—
5 lbs., works	lb.	1.91 -	—
Iodide, bots.	lb.	4.16 -	4.21
Jars	lb.	4.02 -	—
Lithopone (see Yellow).			
Metal, cs.	lb.	1.60	Nom.
Red (see Red).			
Selenide (see Red).			
Sulphide (see Yellow).			
Caffeine, 100 lb. dms., 10,000 lbs. or more.	lb.	2.20 -	—
2,000 lbs., or more	lb.	2.25 -	—
1,000 lbs., or more	lb.	2.30 -	—
100 lbs.	lb.	2.35 -	—
25-lb. dms., 10,000 lbs., or more.	lb.	2.23 -	—
2,000 lbs., or more	lb.	2.28 -	—
1,000 lbs., or more	lb.	2.33 -	—
100 lbs.	lb.	2.43 -	—
25 lbs.	lb.	2.55 -	—
10-lb. cns., 10,000 lbs., or more.	lb.	2.25 -	—
2,000 lbs., or more	lb.	2.30 -	—
1,000 lbs., or more	lb.	2.35 -	—
100 lbs.	lb.	2.45 -	—
less than 100 lbs.	lb.	2.75 -	—
5-lb. cns., 25 lbs., or more,	lb.	2.70 -	—
less than 25 lbs.	lb.	2.85 -	—
Citrated, cns.	lb.	1.80 -	2.10
Hydrobromine, bots.	lb.	4.91 -	4.99
Calabar beans, bgs.	lb.	.25 -	.26
Calamus root, bleached, cs.	lb.	.45 -	.50
peeled, bls.	lb.	.10 -	.12
Calcium acetate, bgs., dlvd.	100 lbs.	1.95 -	—
Arsenate, dms., c.l., dealers, North and West.	lb.	.06¾-	—
l.c.l., dealers	lb.	.07¼-	—
Southern cotton State, dealers, dms., c.l.	lb.	.06½-	—
l.c.l., dealers	lb.	.07 -	—

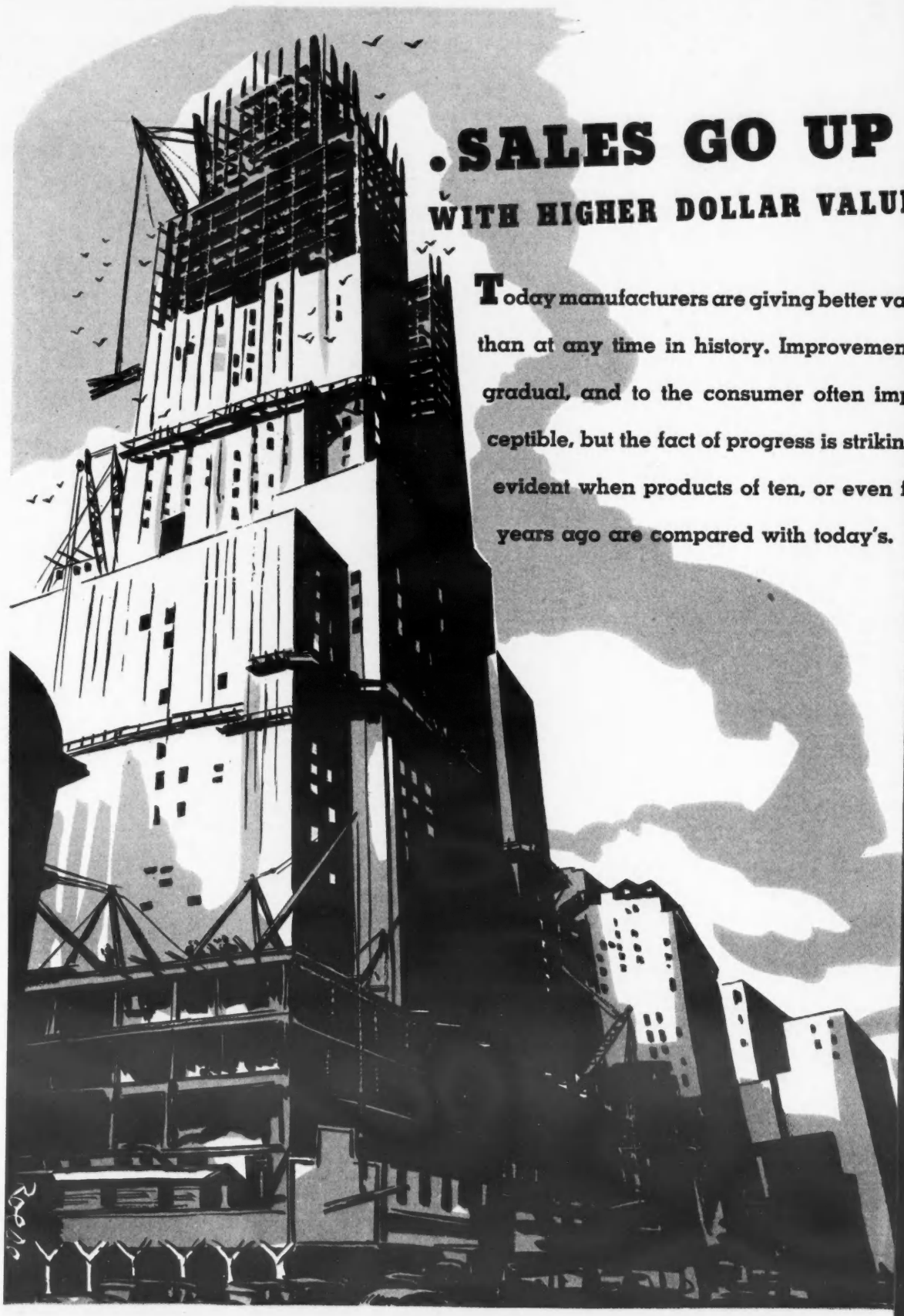
Calcium arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for plant or whse. pick-up.

Bromide, 100 lbs., works, frt. equaled.	lb.	.70 -	—
50 lbs., works	lb.	.72 -	—
25 lbs., works	lb.	.75 -	—
Carbide, dms	lb.	.05 -	.06
Carbonate (see Chalk and Whiting).			
Chloride, flake, dom., 77-88%, paper bgs., c.l., dlvd.,	ton.	23.00 -	36.00
burlap bgs., dms., c.l., dlvd.	ton.	23.50 -	36.50
l.c.l., 1 ton or over, dlvd.	100 lbs.	1.78 -	2.43
liquor, basis 40%, tanks, works.	ton.	7.50 -	—
solid, dom., 73-76%, bgs., dms., c.l., dlvd.	ton.	21.50 -	34.50
l.c.l., 1 ton or over, dlvd.	100 lbs.	1.68 -	2.33
Gluconate, U.S.P., gran., powd., bbls., 125 lbs.	lb.	.50 -	—
dms.	lb.	.55 -	.57
cns.	lb.	.68 -	.85
Glycerophosphate, fib., dms., 1,000-lb. lots.	lb.	1.00 -	—
smaller lots	lb.	1.15 -	—
cns., 25 lbs.	lb.	1.40 -	—
Hypophosphite, cns.	lb.	.62 -	.67
Iodide, bots., jars.	lb.	3.70 -	3.93
Lactate, USP., bbls., 200 lbs.	lb.	.25 -	—
Nitrate, bgs., to fert. mfrs., ex vessel, Camden, N. J., or f.o.b. cars, So. Atlantic ports.	ton.	28.00 -	—
Palmitate, bbls.	lb.	.22 -	.23
Phosphate, dibasic, precip., 38-42% P_2O_5, bgs., c.l.f. Atlantic ports, shipt.	unit-ton.	.74 -	—
tribasic, c.l., bbls., works.	lb.	.06½-	—
l.c.l., bbls.	lb.	.07½-	—
Resinate, precip., bbls., 1 ton,	lb.	.13 -	—
smaller lots	lb.	.14 -	—
Stearate, precip., bbls., cns., c.l.	lb.	.19 -	—
l.c.l., 1 ton	lb.	.20 -	—
Sulphate (see Gypsum)			
Sulphide, 75% CaS (minus 100 mesh), c.l., works.	ton.	52.00 -	—
l.c.l., works	ton.	56.00 -	—
63/65 CaS, c.l., works.	ton.	58.00 -	—
l.c.l., works.	lb.	64.00 -	—
luminous, dom., tins, works, 100 lbs.		.75 -	—
Sulphocarbolate, bbls., 200 lbs.	lb.	.48 -	—
kgs., 100 lbs.	lb.	.50 -	—
Calendula flowers, bls.	lb.	.45 -	.50
Calomel, bbls., fib., dms., kgs., 50 lbs., or more.	lb.	1.50 -	—
Camphor, natural, powd., cs.	lb.	.55 -	.56
slabs, cs.	lb.	.55 -	.56
tablets, tins.	lb.	.60 -	.61
synthetic, dom., imp., gran., powd., bbls., 2,000 lbs.	lb.	.50 -	—
500 lbs.	lb.	.51 -	—
100 lbs.	lb.	.52 -	—
tablets, imp., cs., 2,000 lbs.	lb.	.54 -	—
500 lbs.	lb.	.55 -	—
100 lbs.	lb.	.56 -	—
Monobromate, bxs., kgs.	lb.	1.75 -	1.80
Canada balsam (see Fir balsam)			
Canary seed, Argentine, bgs.	lb.	.0485-	.0510
Morocco, bgs.	lb.	.0485-	.0510
Turkish, bgs.	lb.	.0485-	.0510
Canella alba bark, bls.	lb.	.37 -	.38
Cantharides, Chinese, cs.	lb.	.65 -	.70
powd., bxs.	lb.	.90 -	.95
Russian, cs.	lb.	1.25 -	1.30
powd., bxs.	lb.	1.65 -	1.70
Capsicum (see Pepper, red).			
Caraway seed, Dutch, bgs.	lb.	.07 -	.07½
Carbazole, 70-80%, dms., works.	lb.	.60 -	—
90%, dms., works		.80 -	—
95%, dms., ton lots, works.	lb.	.70 -	—
smaller quantities, works.	lb.	.85 -	—
Carbazole, 98.5-99%, dms., ton lots, works.	lb.	.75 -	—
smaller quantities, works.	lb.	.85 -	—

Carbinol, butyl, norm., dms., works.	lb.	.60 -	—
small lots, works	lb.	.75 -	—
secondary, dms., works	lb.	.60 -	—
small lots, works	lb.	.75 -	—
Diethyl, dms., works	lb.	.60 -	—
small lots, works	lb.	.75 -	—
Isobutyl, 128-132°, dms., c.l., works.	lb.	.35 -	—
l.c.l., works	lb.	.34 -	—
tanks, works	lb.	.32 -	—
Methylpropyl, dms., works.	lb.	.60 -	—
small lots, works	lb.	.75 -	—
Dimethylethyl, dms., works.	lb.	.60 -	—
small lots, works	lb.	.75 -	—
Carbon bisulphide, 55-gal. dms., c.l., frt. all'd. E. of Miss. R., N. of Ohio R.	lb.	.05 -	—
l.c.l., same basis	lb.	.05¾-	—
5-gal. dms., c.l., same basis.	lb.	.07 -	—
l.c.l., same basis	lb.	.08 -	—
tanks, same basis	lb.	.04½-	—
Dioxide, cyls.	lb.	.06 -	.08
Tetrachloride, 55-gal. or 110-gal., dms., c.l. (20 tons), frt. alld. E. of Miss. R., N. of Ohio R.	lb.	.05¼-	—
l.c.l., same basis	lb.	.05¾-	—
10-gal. dms., c.l., (20 tons), same basis.	lb.	.07 -	—
l.c.l., same basis	lb.	.08 -	—
5-gal. dms. c.l. (20 tons), same basis.	lb.	.07 -	—
l.c.l., same basis	lb.	.08 -	—
tanks, same basis	lb.	.05 -	—
Fire extinguisher liquid. 2c. lb. higher.			
Cardamom, bleached, cs.	lb.	1.65 -	1.90
decorticated, cs.	lb.	1.30 -	1.40
green, bgs.	lb.	.88 -	.90
Carvol, bots.	lb.	4.00 -	4.25
Cascara sagrada bark, bulk.	lb.	.11¾-	.12

Case-hardening mixture, 45%, gran., dms., l.c.l.	lb.	.11¾-	—
lump, dms., l.c.l.	lb.	.10¾-	—
60%, lump, dms., l.c.l.	lb.	.09 -	—
Casein, dom., 20-30 mesh, bgs., c.l., dlvd.	lb.	.12 -	.13
5 tons, works.	lb.	.13½-	—
smaller lots, works.	lb.	.14 -	—
80-100 mesh, bgs., c.l., dlvd.,	lb.	.12½-	.13½
5 tons, works.	lb.	.13½-	—
smaller lots, works.	lb.	.14½-	—
Import, Argent., 20-30 mesh, bgs., c.l., duty pd.	lb.	.14 -	—
80-100 mesh, bgs., c.l., duty pd.	lb.	.14½-	—
French, 30 mesh, bgs., c.l., duty pd.	lb.	.17	Nom.
Cassia, Batavia, 1, bgs.	lb.	.17 -	.17¼
3, bls.	lb.	.09½-	.10
short stick, bls.	lb.	.12¾-	.13
China, rolls, select, cs.	lb.	.07 -	.07¼
broken, extra bls.	lb.	.05½-	.06
Saigon, bls.	lb.	.16 -	.16½
Cassia buds, cs.	lb.	.32 -	.33
Cassia fistula, bskts.	lb.	.11 -	.12
Castile soap, white, bars, cs., 40 lbs.		11.75 -	12.50
powd., bbls.	lb.	.28 -	.35
Castoreum, nat., cns.	lb.	15.00 -	18.00
synth., bots.	lb.	19.00 -	—
Castor oil (see Oil, castor).			
Pomace, dom., 5¼% ammon., bgs., c.l., works.	ton.	21.00 -	—
import, bgs., c.i.f., ports ship ment.	ton.	22.00	Nom.
Catnep leaves, bls.	lb.	18	
Celery seed, French, bgs.	lb.	.16¼-	.16¾
Indian, bgs.	lb.	.14 -	.14½
Celluloid scrap (see Pyroxylin scrap).			

Cellulose acetate, flake, cs., works.	lb.	.40 -	—
Acetobutyrate, 501 lbs. and over, works.	lb.	.52 -	—
10± lbs., works.	lb.	.58 -	—
smaller lots, works.	lb.	.55 -	—
Cement, white, bbls. (4 bags), 5 tons, dlvd. N. Y.	bbl.	6.50 -	—
Cerium hydrate, dms., works.	lb.	.60 -	—
Oxalate, USP, bbls., works.	lb.	.35 -	—
kgs., works.	lb.	.37 -	—
Chalk, precip., extra light, light, heavy, bgs., 50 lbs., c.l., f.o.b., works.	lb.	.02¾-	—
cks., 250 lbs., c.l., f.o.b., works.	lb.	.03¼-	—
Chamomile flowers, Hungarian, genuine, cs.	lb.	.25 -	.27
Roman, bls.	lb.	.24 -	.25
Charcoal, softwood, powd., bgs., c.l., dlvd. Ala., Del., Ga., Ky., Md., Miss., N. J., N. Y., N. C., S. C., Tenn., Va., W. Va.	ton.	30.40 -	—
Colo.	ton.	27.00 -	—
Conn., Me., Mass., N. H., R. I., Vt.	ton.	30.80 -	—
Ill., (except river points), Minn., Neb., Wis.	ton.	25.00 -	—
Indiana	ton.	26.00 -	—
Ill. (river points), Ia., Mo., Okla., Tex. (except El Paso)	ton.	23.00 -	—
Kansas, El Paso, Tex.	ton.	24.00 -	—
Michigan	ton.	27.80 -	—
Ohio, Penn.	ton.	29.80 -	—
Utah	ton.	34.00 -	—
Willow, powd., bbls.	lb.	.06 -	.07


SALES GO UP
WITH HIGHER DOLLAR VALUE
Today manufacturers are giving better va
than at any time in history. Improvement
gradual, and to the consumer often imp
ceptible, but the fact of progress is striki
evident when products of ten, or even f
years ago are compared with today's.

Chestnut extract, clarif., 25% tan., bbls., c.l., works, lb. .02125- —
l.c.l., bbls., works....lb. .0225- —
Chillies (see Pepper, red).
China clay, dom., dry-grd., air-float, 99.75%, 300 mesh, bgs., c.l., works..ton. 9.00 - —
l.c.l., works....ton. 9.50 -15.50
bulk, c.l., works...ton. 6.50 - —
99.75% 200 mesh, bgs., c.l., works..ton. 8.00 - —
l.c.l., works....ton. 9.00 -15.00
wet-grd., silk-bolt, 99.9%, 325 mesh, bulk, c.l., works ton. 9.00 - —
paper bgs., c.l., works, ton.12.00 - —
import, white, lump, bulk, c.l., ex dock Balto., Boston, Norfolk, Phila..ton.22.00 -25.00
powd., csks., l.c.l., ex dock, ton.35.00 - —
ex whse....ton.37.50 - —
Chloral hydrate, bots., 1,000 lbs., lb. .83 - .92
500 lbs. ....lb. .86 - .95
100 lbs. ....lb. .88 - .97
25 lbs. ....lb. .90 - .99
1-10 lbs. ....lb. .95 - 1.02
dms., 1,000 lbs. ....lb. .80 - —
500 lbs. ....lb. .83 - —
100 lbs. ....lb. .85 - —
Chlorine, liq., cyls., c.l., dlvd., N.Y..lb. .05½- —
contracts, dlvd., N.Y...lb. .05½- —
l.c.l., dlvd., N.Y....lb. .07½- —
tanks, single unit, works, frt. equald..100 lbs. 2.15 - —
multiple unit, 3 or over, wks., frt. equald.100 lbs. 2.30 - —

Chlorine, tanks, multiple unit, 2, works, frt. equald... 100 lbs. 2.55 - —
1, works, frt. equald... 100 lbs. 3.00 - —
Chloroacetophenone, tins, works.lb. 3.00 - 3.50
Chloroform, tech., 650-lbs. drums, lb. .20 - —
100-lbs. dms....lb. .22 - —
50-lb. dms....lb. .25 - —
USP, 650-lb. dms....lb. .30 - —
100-lb. dms....lb. .32 - —
50-lb. dms....lb. .33 - —
Chloropicrin, comi., 185-lb. cyls., works..lb. .80 - —
5-lb. cyls., same basis....lb. 1.15 - —
Chrome acetate, powd., 17.5% cr., bbls., works..lb. .13 - —
smaller pkgs., works....lb. .17 - —
solut., 8% cs., bbls....lb. .05 - .08
Cake, bulk., c.l., works.....ton.15.00 -16.00
Green (see Green, chrome)
Oxide (see Green, chrome oxide)
Sulphate, pearls, dms., 100 lbs., lb. .40 - —
powd., dms., 100 lbs....lb. .45 - —
scales, dms., 100 lbs....lb. .45 - —
Trioxide (see Acid, chromic)
Yellow (see Yellow, chrome)
Chrysarobin, cns....lb. 3.25 - 3.50
Cinchona bark, chips, bgs.....lb. .18 - .19
high test, bgs....lb. .37 - .38
quills, broken, bgs.....lb. .18 - .19
long, cs....lb. .55 - .60
short, bgs....lb. .50 - .55
Ecuador, tubes....lb. .18 - .20
Cinchonidine, crys., small cns., 100 ozs..oz. .83 - —
large, cns.....100 ozs..oz. .87 - —
powd., cns.....100 ozs..oz. .80 - —
Sulphate, N.F., cns..100 ozs.oz. .47 - —

Cinchonine, crys., small, cns., 100 ozs..oz. .54 - —
large, cns.....100 ozs..oz. .58 - —
powd., cns.....100 ozs..oz. .50 - —
Sulphate, N.F., cns..100 ozs..oz. .34 - —
Cinchophen, USP, boxes, 5 lbs., lb. 3.75 - —
bots., 1 lb....lb. 3.27 - —
dms., 100 lbs....lb. 3.00 - —
Cinnamic alcohol (see Alcohol cinnamic).
Aldehyde, f.f.c. cbys.....lb. 1.40 - 1.45
Cinnamon, Ceylon, 2, bls.....lb. .17 - .17½
3, bls. ....lb. .15¾- .16
Citral, bots., cns....lb. 1.70 - 3.15
Citrine ointment, jars, tubes.lb. .75 - —
Citronellal, bots., dms.....lb. .75 - .80
Citronellol, bots., dms.....lb. 1.75 - 1.80
Clove, Madagascar, bls.....lb. .15¾- .16
Zanzibar, bls....lb. .16¼- .16½
Clover tops, bgs....lb. .14 - .15
Coaltar, coal-gas, crude, bbls., c.l., works..bbl. 7.50 - 7.75
l.c.l., works....bbl. 8.25 - 8.50
tanks, works....gal. .07½- .09
refd., bbls., c.l., works...bbl. 8.00 - 8.25
l.c.l., works....bbl. 8.75 - 9.00
tanks, works....gal. .08½- .10
water-gas, crude, dms., c.l., works..dm. 7.50 - —
l.c.l., works....dm. 8.00 - —
refd., dms., c.l., works...dm. 8.25 - —
l.c.l., works....dm. 8.75 - —
Cobalt acetate, bbls., kgs., dlvd. lb. .66 - .68
Carbonate, tech., bbls., dlvd.lb. 1.63 - —
Chloride, dms., works.....lb. 1.03 - 1.18
Hydrate, bbls....lb. 1.78 - —
Linoleate, paste, 6%, dms...lb. .81 - —
solid, 8½%, bbls....lb. .83 - —
Oleate, bbls....lb. .26 Nom.

Chestnut Ext.—Derris Rt.

Cobalt, oxide, black, kgs.....lb. 1.67 - —
Resinate, fused, A, bbls.....lb. .13½- —
1%, bbls....lb. .13 -
2%, bbls....lb. .14 - —
3½%, bbls....lb. .17½- —
precip., dms., dlvd....lb. .34 - —
Sulphate, dms....lb. .59 - —
Cocaine hydrochloride, 100 ozs., cns..oz. 9.75 - —
Cochineal, gray, bgs.....lb. .35 - .38
Teneriffe, silver, bgs.....lb. .36 .38
Cocillana bark, bgs....lb. .18 - .20
Cocoa butter, lumps, bgs, c.l..lb. .14½- .15½
Codeine, cns., 100 ozs.....oz. 11.70 - —
Hydrochloride, cns., 100 ozs..oz. 10.50 - —
Phosphate, cns., 100 ozs.....oz. 9.00 - —
Sulphate, cns., 100 ozs.....oz. 9.50 - —
Codliver oil (see Oil, codliver).
Cohosh, black, root, bls.....lb. .08 - .09
Blue, root, bls....lb. .07 - .07½
Colchicine, bots., 4 ozs.....oz. 25.00 - -
single ozs....oz. 26.00 - —
Colchicum seed, bgs....lb. .25 - .27
Collodion, USP, dms., 325 lbs..lb. .12½- —
cns., 25 lbs....lb. .16 - —
Flexible, USP, dms., 325 lbs.lb. .14½- —
cns., 25 lbs....lb. .18 - —
Colocynth pulp, bls....lb. .37 - .38
Colombo root, bls....lb. .18 - .20
Coltsfoot leaves, bgs....lb. .07 - .08
Condurango bark, bgs....lb. .08 - .09
Conium leaves, bls....lb. .18 - .19
Copaiba, balsam, Para, cns...lb. .33 - .34
S.A., USP, cns....lb. .35 - .36
Copper acetate, normal, bbls., c.l., works..lb. .22 - —
l.c.l., bbls....lb. .25 - —
Carbonate, 52-54%, bbls.....lb. .15¾- .16¾
18-20%, bbls....lb. .10½- .12
Chloride, bbls....lb. .15 - .17
Cyanide, tech., bbls....lb. .37 - .39
Iodide, bots....lb. 4.97 - 5.02
Metal, electrolytic....lb. .10¾- .11
Nitrate, cryst., bbls....lb. .15 - —
Oleate, percip., bbls....lb. .20 - —
Oxide, black, bbls., tons, works, lb. .17 - —
smaller lots, works....lb. .17½- —
red, com'l, 50-75%, kgs., f.o.b. N.Y..lb. .19775- —
Resinate, precip., bbls....lb. .15 - .16
Stearate, precip., bbls....lb. .22 - .24
Sulphate (see Blue vitriol).
Copperas, cryst., gran., bgs., c.l., works..ton.14.00 -15.00
bbls., c.l., works....ton.16.00 -17.00
l.c.l., 25 or over, works.... 100 lbs. 1.35 - —
5-24, works.....100 lbs. 1.50 - —
1-4, works.....100 lbs. 2.00 - —
bulk, c.l., works....ton.12.00 -13.00
Copra, bgs., Pacific Coast.....lb. .0235 Nom.
Coriander seed, Morocco, bgs..lb. .06¾- .07¼
bleached, bgs. ....lb. .08¼- .08½
Corn sugar, tanners, bbls., c.l., dlvd..100 lbs. 3.30 - —
ex whse.....100 lbs. 3.40 - —
Syrup, 42°, bbls., c.l.....100 lbs. 3.26 - —
43°, bbls., c.l.....100 lbs. 3.31 - —
Cornsilk, bls. ....lb. .07 - .08
Corrosive sublimate, cryst., dms., 50 lbs. or more..lb. 1.30 - —
gran., powd., dms., 50 lbs. or more..lb. 1.15 - —
Cottonroot bark, bls....lb. .13 - .14
Cottonseed hull ash, 25-30% pot-ash, bulk, dlvd..unit-ton. 1.05 - —
Coumarin, 5 lbs., or more, 25-lb. cns..lb. 3.00 - —
5-lb. cns....lb. 3.10 - —
1-lb. cns....lb. 3.25 - —
1-oz. cns....lb. 3.60 - —
less than 5 lbs., cns....lb. 4.15 - 4.65
Cramp bark, genuine, bls.....lb. .25 - .26
so-called, bls. ....lb. .07 - .08
Cranesbill root, bls. ....lb. .18 - .20
Cream tartar, gran. or powd., bbls., 5,000 lbs., one shipm't, lb. .19¾- —
smaller lots, bbls.....lb. .20¼- —
kgs. ....lb. .20¾- —
Creosote, beechwood, bots.....lb. .70 - .75
Hardwood, USP, bots.....lb. .45 - .47
Pine, dms....gal. .28 - —
Carbonate, bots., cbys. .....lb. 1.40 - 1.75
Creosote, oil, crude, tanks, works, gal. .13½- .14
Coaltar solution, tanks, works gal. .118 - .128
refd., bbls., c.l., works...gal. .22¼- —
l.c.l., works....gal. .25 - —
tanks, works....gal. .16 - .18¼
Cresol, USP, dms., c.l., works.lb. .12 - —
l.c.l., same basis....lb. .12¼- —
Crotonaldehyde, tech., dms., c.l., works..lb. .26 - —
l.c.l., works....lb. .30 - —
Cube root, powd., 5% rotenone, bbls., f.o.b., N.Y.C., frt., equal'd., with shipments from Newark and Balto. Prices for Pacific Coast are plus frt., 10,000 lbs. or more..lb. .28 - —
2,000 lbs. to 10,000 lbs..lb. .29 - —
1,000 lbs. to 2,000 lbs..lb. .31 - —
200 lbs. to 1,000 lbs..lb. .33 - —
4% rotenone prices are 4½c. per lb. less.
Cube root, powd., contracts accepted for delivery only up to September 30, 1938. No protection against decline in price. Part deliveries against contract are billed at price for smaller quantities, subject to adjustment when contract quantity is reached.
Cubeb berries, XX, bgs.....lb. .32 - .33
powd., cs....lb. .34 - .35
Culver's root, bls....lb. .16 - .20
Cumin seed, Algerian, bgs....lb. .09 - .09½
Indian, bgs....lb. .10 Nom.
Morocco, bgs....lb. .09¼- .09½
Cutch, Philippine, bls. c.l...lb. .04 - —
Cyanamide, 21-22% N., pulv., bgs., dlvd., contra., NH_3 unit.. 1.15 - —
Cyanide-chloride, mixture, 75%, gran., dms..lb. .16 - .17
lump, dms ....lb. .14 - .15

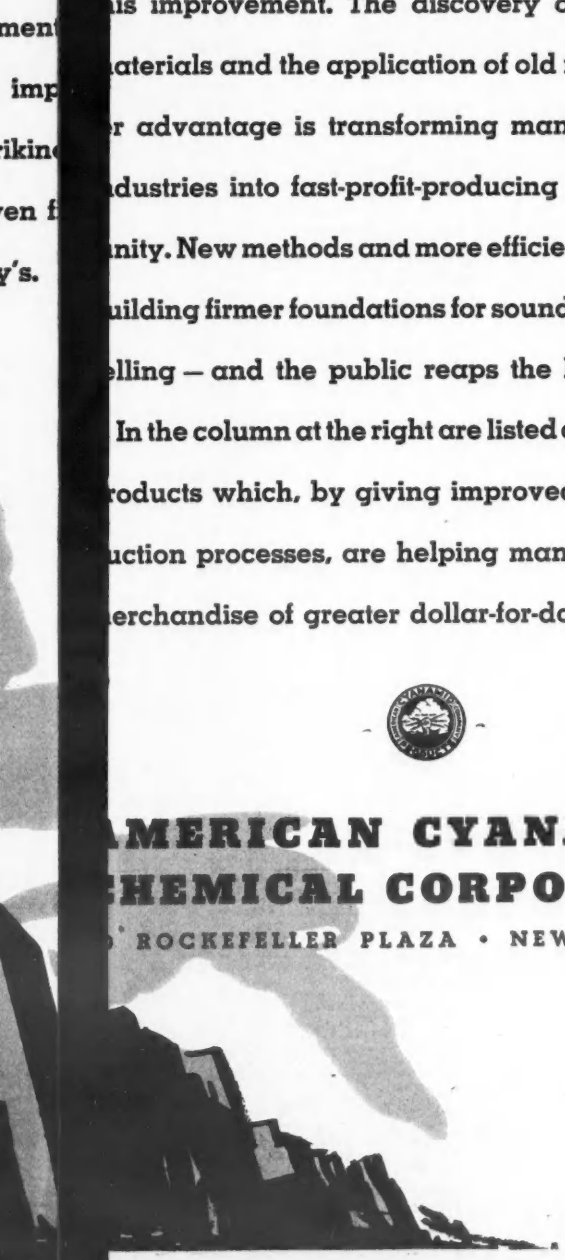
D

Damiana leaves, bls.....lb. .17 - .18
Dandelion root, German, bls..lb. .20 - .21
Deertongue leaves, bls.....lb. .13 - .15
Degras, common, dom., bbls..lb. .08 - .08¼
English, bbls....lb. .08 - .08¼
neutral, dom., bbls....lb. .11 - .15
English, bbls....lb. .11 - .15
Derris root, powd., 5% rotenone, bbls., f.o.b. N.Y.C., frt. equal'd., with shipments from Newark and Balto. Prices for Pacific Coast are plus frt., 10,000 lbs., or more..lb. .30 - —
2,000 lbs., to 10,000 lbs..lb. .40 - —
1,000 lbs., to 2,000 lbs..lb. .41½- —
200 lbs., to 1,000 lbs..lb. .43 - —
4% rotenone prices are 6c. per lb. less
Derris root, powd., contracts accepted for delivery only up to September 30, 1938. No protection against decline in price. Part deliveries against contract are billed at price for such smaller quantities, subject to adjustment when contract quantity is reached.

ALL ALONG THE LINE

hemicals are responsible for a high percentage of
is improvement. The discovery of new working
aterials and the application of old materials to bet-
r advantage is transforming many slow moving
dustries into fast-profit-producing fields of oppor-
nity. New methods and more efficient processes are
uilding firmer foundations for sound managing and
lling — and the public reaps the benefits.

In the column at the right are listed a few Cyanamid
roducts which, by giving improved results in pro-
uction processes, are helping manufacturers offer
erchandise of greater dollar-for-dollar value.



AMERICAN CYANAMID &
CHEMICAL CORPORATION
ROCKEFELLER PLAZA • NEW YORK, N. Y.

***BEETLE RESINS**—Resins made by reacting urea and formaldehyde have become widely familiar through their use in high grade molded products such as "Beetleware." We are also making urea formaldehyde resins which are soluble in ordinary organic solvents. Coatings can be formulated from these having the qualities of hardness and lasting beauty characteristic of "Beetle" molded products. The remarkable characteristics of these BEETLE coating resins, compared with enamel vehicles previously available, have been subjected by the Cyanamid laboratories to the most painstaking tests in a wide variety of finishes prior to their offer to the trade.

****AKOIL 1-4-3** for the textile industry —An intensive scouring agent for use on woolen yarn or fabric, silk and rayon. Used in conjunction with soda ash for fulling and scouring woolens, it easily surpasses the performance of ordinary soaps for this purpose.

For scouring and degumming silk it is used with about one-fourth its weight of soda ash or the milder alkali, ammonia. While its degumming and cleansing qualities are excellent, leaving the fibre free of gum, oil and dirt, still its action cannot damage or affect the silk in any way.

For scouring knitted rayon and celanese, a product is necessary that will cleanse the fabric quickly and with a minimum amount of mechanical action. Because of its property of emulsifying the heavy oils found in these fabrics, Akoil 1-4-3 is an excellent product for the purpose. It rapidly absorbs and carries off all the oil and dirt found in the fibre with a minimum of mechanical effort thereby preventing damage to the fibre. No matter how highly saturated with oil the fabric may be, Akoil 1-4-3 will thoroughly cleanse it in an ordinary soaping machine.

Solid fats on the surface of leather cause Sheen, Spew, Discoloration, Unevenness, Greasiness. The "Cold Test" of an oil is an indication of its relative purity from solid fats. ***ASTRULAN has a cold test of 10° F. —much lower than that of any other similar oil on the market. It is the best oil for high grade leathers. (Sulphonated ***URSULIN.)

Manufacturers and distributors of **HEAVY CHEMICALS** for their many industrial uses, including: Aqua Ammonia, Bichromates, Carbon Tetrachloride, Chrome Acetate, Formaldehyde, Iron Acetate, Salt Cake, Sodium Silicate, Sulphocyanides, Thiourea, Urea.

Watch this column monthly for the announcement of other interesting Cyanamid developments. Technical information on these and other Cyanamid products is available on request.

*Trade-Mark of American Cyanamid & Chemical Corporation denoting synthetic resin of its manufacture
**Trade-Mark—Registered U. S. Patent Office
***—Pat. No. 1,988,905

Dextrin—Green, Chrome

Dextrin, British gum, c.l., f.o.b. Chicago..100 lbs. 3.90 - —
c.l., f.o.b. Chicago..100 lbs. 4.00 - —
Corn, canary, bgs., c.l., f.o.b. Chicago..100 lbs. 3.55 - —
c.l., f.o.b. Chicago..100 lbs. 3.75 - —
white, bgs., c.l., f.o.b. Chicago..100 lbs. 3.60 - —
c.l., f.o.b. Chicago..100 lbs. 3.80 - —
Potato, import, bgs.....lb. .07¼- .08¾
Tapioca, bgs., ex whse.....lb. .08 Nom.
Diamyl ether, dms., c.l., works.lb. .085 - —
c.l., works.....lb. .092 - —
tanks, works.....lb. .075 - —
Oxalate, dms., l.c.l., works..lb. .20 - —
Phthalate, dms., c.l., dlvd..lb. .20½- —
l.c.l., dlvd.....lb. .21 - —
tanks, dlvd.....lb. .19½- —
Sulphide, dms., l.c.l., works..lb. 1.10 - —
Diamylamine, dms., c.l., works., lb. .47 - —
l.c.l., works.....lb. .50 - —
Diamylene, dms., c.l., works.lb. .095 - —
l.c.l., works.....lb. .102 - —
tanks, works.....lb. .085 - —
Diatomaceous earth, dom., bgs., c.l., Pacific cst., works, ton.22.00 -65.00
l.c.l., ex whse.....ton.45.00 -150.00
import, bgs., c.l., c.i.f.....ton.30.00 - —
Dibutylamine, dms., l.c.l., works, lb. .55 - —
Dibutyl phthalate, dms.....lb. .21 - —
Tartrate, dom., dms.....lb. .35 - .40
import., dms.....lb. .80 - .85
Dicalcium phosphate (see Calcium phosphate, dibasic).
Dichloroethyl ether, dms., c.l. works..lb. .15 - —
l.c.l., works.....lb. .16 - —
tanks, works.....lb. .14 - —
Diethanolamine, dms., c.l., works..lb. .26 - —
l.c.l., works.....lb. .27 - —
tanks, works.....lb. .25 - —
Diethyl carbonate, coml., dms.lb. .31¾- —
refd., 99%, dms.....lb. .50 - —
Carbinol (see Carbinol).
Phthalate, dms., c.l.....lb. .19 - —
l.c.l. .....lb. .19½- —
tanks .....lb. .18 - —
Sulphate, dms., c.l., works..lb. .13 - —
l.c.l., works.....lb. .14 - —
tanks .....lb. .12 - —
Diethylaniline, dms.....lb. .50 - —
Diethyleneglycol, dms., c.l.,works, lb. .22 - —
l.c.l., works.....lb. .23 - .26
Monobutylether, dms., works.lb. .26 - .27
Monoethylether, dms., c.l., works..lb. .16 - —
l.c.l., works.....lb. .17 - —
tanks, works.....lb. .15 - —
Digitalis leaves, dms.....lb. .60 Nom.
Digiycol oleate, light, bbls....lb. .21 - .24
Dillseed, recleaned, bgs.....lb. .07¼- .07½
Dimethyl phthalate, dms.....lb. .21 - —
Dimethylanilin, dms.....lb. .26 - .27
Dimethylethyl carbinol (see Carbinol).
Dinitrobenzene, bbls.....lb. .16 - .18
Dinitrochlorobenzene, bbls.....lb. .16¼- .17¼
Dinitronaphthalene, kgs.....lb. .35 - .38
Dinitrophenol, bbls.....lb. .23 - .24
Dinitrotoluene, dms.....lb. .14¼- .15½
oily, dms.....lb. .09 - —
Diorthotoiuolguanidin, dms, 2,000 lbs. or over, dlvd..lb. .44 - —
600-1,950 lbs., dlvd.....lb. .46 - —
150-450 lbs., dlvd.....lb. .47 - —
Dip oil (see Tar acid oil).
Dipentene, dms.....gal. .47 - .50
tanks .....gal. .41 - —
Diphenyl, bbls, c.l., works....lb. .15 - —
l.c.l., works.....lb. .20 - .25
Oxide, cns.....lb. .60 - .62
Diphenylamine, bbls.....lb. .31 Nom.
Diphenylguanidin, dms., 2,000 lbs. or over, dlvd..lb. .25 - —
600-1,950 lbs., dlvd.....lb. .26 - —
150-450 lbs., dlvd.....lb. .27 - —
Diphenylmethane, bots.....lb. 1.40 - 2.00
Disodium phosphate (see Soda phosphate, dibasic)
Divi-divi, bgs., shipment....ton.84.00 Nom.
Doggrass root, cut, bls.....lb. .12 - .13
Dogwood bark, dom., bls.....lb. .07 - .08
Jamaica, bls.....lb. .07 - .08
Dover's powder, USP, cns.....lb. 2.75 - 2.80
Dragon's blood, mass, cs.....lb. .85 - .85
reeds, thin, cs.....lb. .85 - .90
Dubolsine sulphate, vis.....oz.84.50 -35.00
Dyes, coaltar, for general uses (numbers are those of Colour Index scale):—
26 Chrome yellow 2G.....lb. .61 - .70
40 Chrome yellow R.....lb. .50 - 1.00
52 Victoria. violet.....lb. .80 - 1.00
165 Lake red C.....lb. 1.00 - —
176 Fast red A.....lb. .60 - .75
180 Fast red VR.....lb. 1.50 - 1.65
189 Lake red R, paste.....lb. .85 - .90
189 Lake red R, powdered.lb. 2.00 - 2.10
202 Chrome blue black U..lb. .32 - .40
204 Chrome black A.....lb. 1.75 - 2.00
208 Fast red blue R.....lb. .75 - 2.00
210 Chrome red B.....lb. 1.75 - 2.00
262 Cloth red 2B.....lb. .60 - .80
289 Fast cyanin 5R.....lb. .90 - 1.00
290 Chrome black F.....lb. .60 - .65
307 Fast cyanin black B...lb. .90 - .95
326 Direct cast scarlet.....lb. 2.00 - 2.25
364 Paper yellow.....lb. .83 - .90
365 Chrysophenin G.....lb. .58 - .70
394 Direct violet N.....lb. 1.25 - 1.30
383 Direct scarlet B.....lb. 1.50 - 1.75
387 Direct violet B.....lb. 1.00 - 1.80
401 Developed black BHN..lb. .50 - .75
406 Direct blue 2B.....lb. .25 - .30
415 Direct orange R.....lb. .60 - .70
419 Direct fast red F.....lb. .75 - .85
420 Direct brown M.....lb. 1.00 - 1.10
448 Benzo purpurin 4B.....lb. .40 - .42½
495 Benzo purpurin 10B.....lb. .40 - .50
502 Direct azurin G.....lb. .75 - .80
512 Direct blue RD.....lb. .90 - 1.00
518 Direct pure blue 6B.....lb. 1.10 - 1.25
520 Direct pure blue.....lb. .50 - 1.00
529 Direct fast black FF..lb. .55 - 1.00
561 Direct black EW.....lb. .25 - .50
562 Direct black RX.....lb. .35 - .45
593 Direct green B.....lb. .75 - .80
594 Direct green G.....lb. 1.00 - 1.05
596 Direct brown 2GO.....lb. .25 - 1.50
620 Direct yellow R.....lb. 1.25 - 1.50
626 Acid violet.....lb. 1.00 - 2.00
812 Primulin .....lb. .50 - .52
814 Direct fast yellow....lb. 2.00 - 2.25
845 Nigrosin(water soluble).lb. .35 - .50
1177 Indigo, 20 p.c., paste...lb. .15 - .18
Benzo fast black L.....lb. .90 - 1.00
Sulphur black .....lb. .29 - .35
Sulphur blue .....lb. .40 - 1.00
Sulphur brown .....lb. .25 - .50
Sulphur maroon .....lb. .40 - —
Sulphur olive.....lb. .25 - .54
Sulphur tan .....lb. .20 - .50
Sulphur yellow .....lb. .20 - .50
Zambesi black .....lb. .75 - .80
Dyes, coaltar, for stains (numbers are those of Colour Index scale):—
Oil-soluble (prices in barrels of 100 lbs.; lots of 25 pounds to a barrel are 3c. per lb. higher; f.o.b. sellers' works or warehouse)
Black:—
865 Nigrosin derivatives.lb. .42 - —
Dyes, coaltar, for stains (numbers are those of Colour Index scale):—
Blue:—
1075 Alizarin astrol base.lb.15.00 - —
1078 Alizarin cyanin green base..lb. 6.00 - —
729 Victoria blue.....lb. .75 - —
Browns:—
Brown .....lb. 1.15 - —
Green:—
1078 Alizarin cyanin green.lb. 6.00 - —
.... Green .....lb. .75 - —
Orange:—
24 Sudan I.....lb. .70 - —
.... Orange, red shade..lb. .75 - —
Red:—
73 Sudan II.....lb. 1.05 - —
258 Sudan IV.....lb. .95 - —
749 Rhodamine B (oil p/nk) lb. 2.50 - —
1080 Anthroquinone violet base..lb. 6.00 - —
680 Oil violet .....lb. .50 - —
Yellow:—
15 Amidoazobenzene yellow..lb. .90 - —
17 Amidoazotoluene yellow. lb. .75 - —
61 Yellow OB.....lb. 1.40 - —
Spirit-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 5c. per lb. higher; f.o.b. sellers' works or warehouse).
Black:—
864 Nigrosin .....lb. .40 - —
Blue:—
729 Victoria blue .....lb. 2.55 - —
860 Indulin .....lb. .70 - —
Brown:—
331 Bismarck brown ....lb. 1.50 - —
Green:—
637 Malachite green base.lb. 2.00 - —
Orange:—
20 Chrysoidin G.....lb. .95 - —
21 Chrysoidin R.....lb. .95 - —
Red:—
677 Fuchsin, magenta base. lb. 7.25 - —
749 Rhodamine B.....lb. 4.75 - —
Yellow:—
67 Amidoazotoluene yellow..lb. .75 - —
655 Auramine .....lb. 2.00 - —
800 Chinolin yellow SS..lb. 5.00 - —
Violet:—
680 Methyl violet.....lb. 1.00 - —
Water-soluble (prices in barrels of 250 lbs. each; lots of 25 lbs. to a barrel, 5c. per lb. higher; f.o.b. sellers' works or warehouse).
Black:—
246 Naphthol blue black S, lb. .50 - —
865 Nigrosin .....lb. .36 - —
873 Methylene gray ....lb. 1.50 - —
Blue:—
714 Patent blue A .....lb. 1.45 - —
729 Victoria blue B.....lb. 2.00 - —
861 Indulin .....lb. .87 - —
909 New blue R.....lb. 1.30 - —
922 Methylene blue ....lb. 1.00 - —
1054 Alizarin saphirol B..lb. 1.00 - —
1180 Indigotin IA.....lb. .85 - —
Brown:—
234 Resorcin brown Y...lb. .65 - —
256 Resorcin dark brown R, lb. .60 - —
331 Bismarck brown G..lb. .52 - —
332 Bismarck brown R..lb. .57 - —
798 Phosphin .....lb. 4.65 - —
Green:—
5 Naphthol green B...lb. 1.00 - —
657 Malachite green....lb. 1.35 - —
662 Brilliant green.....lb. 2.00 - —
666 Guinea green B.....lb. 1.15 - —
737 Wool green S.....lb. .56 - —
924 Methylene green B..lb. 1.55 - —
1078 Alizarin cyanin green, lb. 2.25 - —
Orange:
10 Chrysoidin G.....lb. .40 - —
21 Chrysoidin R.....lb. .37 - —
27 Orange G.....lb. .50 - —
151 Orange Y.....lb. .30 - —
161 Orange R.....lb. .34 - —
Red:—
31 Amidonaphthol red G, lb. .42 - —
37 Amidonaphthol red 6B, lb. .66 - —
70 Ponceau R .....lb. .48 - —
88 Fast red B .....lb. 1.05 - —
176 Fast red A .....lb. .54 - —
179 Azorubin .....lb. .52 - —
188 Crocein scarlet 3BX..lb. .60 - —
185 Cochineal red A....lb. .60 - —
262 Brilliant crocein M..lb. .68 - —
677 Fuchsin .....lb. 1.90 - —
749 Rhodamine B .....lb. 6.50 - —
752 Rhodamine 6G .....lb. 4.50 - —
768 Eosin G .....lb. 1.50 - —
841 Safranin .....lb. 1.45 - —
Violet:—
680 Methyl violet B....lb. .75 - —
681 Crystal violet C....lb. 1.75 - —
406 Acid violet 4BN....lb. .90 - —
Yellow:—
10 Naphthol yellow S..lb. .60 - —
128 Metanil yellow .....lb. .53 - —
636 Fast light yellow....lb. 1.25 - —
639 Xylene light yellow..lb. 1.15 - —
640 Tartrazin .....lb. .60 - —
655 Auramine .....lb. 1.27 - —
Dyes, natural (see name of article).

E

Echinacea root, bls.....lb. .26 - .27
Egg albumen (see Albumen).
Yolk, dom., cs.....lb. .08 Nom.
import, cs.....lb. .60 Nom.
Elder flowers, bright, bls.....lb. .22 - .26
dark, bls.....lb. .20 - .21
Elecampane root, bls.....lb. .11 - .12
Elm bark, grinding, bls.....lb. .11 - .12
powd., bbls., bxs.....lb. .20 - .21
select, bndls.....lb. .40 - .42
Emetine hydrochloride, bots...oz.17.00 -18.00
Ephedra, bls.....lb. No offers
Ephedrine, tins, 100 ozs.....oz. No prices.
Hydrochloride, tins, 100 ozs..oz. No prices.
Sulphate, cryst., tins, 100 ozs.oz. No prices.
powd., tins., 100 ozs.....oz. No prices.
Epsom salt, tech., bgs....100 lbs. 1.80 - —
bbls. .....100 lbs. 1.90 - —
USP, cryst., dom., bgs., c.l., 100 lbs. 2.00 - —
l.c.l., 5,000 lbs., 1 withdrawal..lb. 2.25 - —
smaller lots.....lb. 2.50 - —
bbls., c.l.....lb. 2.10 - —
l.c.l., 5,000 lbs. 1 withdrawal..lb. 2.35 - —
smaller lots .....lb. 2.60 - —
kgs., c.l. .....lb. 2.35 - —
l.c.l., 5,000 lbs., 1 withdrawal..lb. 2.60 - —
smaller lots .....lb. 2.85 - —
dried, dom., bgs., l.c.l...lb. .08 - .10
Ergot, USP, cs., dms.....lb. 1.50 1.60
Eserine, bots.....oz.42.00 - —
Salicylate, bots.....oz.29.90 -30.00
Sulphate, bots.....oz.30.00 - —
Ether, acetic, dms., 400 lbs...lb. .09 - —
cns., 35 lbs.....lb. .14 - —
Ethyl (see Ether, sulphuric).
Nitrous, conc., bots., 100 lbs., lb. .68 - —
Sulphuric, conc., dms., 120 lbs., lb. .09 - —
cns., 27 lbs.....lb. .14 - —
synth., dms., c.l., works..lb. .0⁶ - —
l.c.l., works.....lb. .09 - —
USP, anesthesia, dms., 27 lbs., lb. .26 - —
USP, 1930, dms.....lb. .39 - .40
washed, dms.....lb. .37 - .38
Ethyl acetate, dms., c.l., frt. alld. lb. .07½- —
l.c.l., frt. alld.....lb. .08 - —
tanks, frt. alld.....lb. .06½- —
anhyd., dms., c.l., frt. alld.lb. .08½- —
l.c.l., frt. alld.....lb. .09 - —
tanks, frt. alld.....lb. .07½- —
Acetoacetate, dms., c.l., works. lb. .27½- —
l.c.l., dms., works.....lb. .28 - —
Bromide, tech., dms.....lb. .50 - .55
Caproate, cns.....lb. 1.00 - —
Chloride, dms.....lb. .22 - .24
Cinnamate, cns.....lb. 3.40 - 4.25
Crotonate, dms., works.....lb. 1.00 - 1.25
Formate, dms.....lb. .27 - .28
Iodide, bots.....lb. 5.55 - 5.70
Lactate, 55-gal. dms., works.lb. .33 - —
5-gal. dms., works.....lb. .36 - —
Oxalate, dms.....lb. .30 - .34
Silicate, l.c.l., dms., works..lb. .77 - —
Ethylcellulose, bgs., 500 lbs. or more, frt. alld. lb. .70 - —
100 lbs., frt. alld.....lb. .75 - —
smaller lots, works.....lb. 1.00 - —
Ethylene bromide, dms.....lb. .65 - .70
Dichloride, dms, c.l., works, E. of Rockies, frt. alld..lb. .0645- —
West of Rockies, same basis..lb. .0595- —
Ethylene dichloride, l.c.l., dms., works, E. of Rockies, frt. alld..lb. .0644- —
West of Rockies, same basis..lb. .0604- —
Ethyleneglycol, dms., c.l.....lb. .17 - —
l.c.l. .....lb. .18 - .21
tanks .....lb. .16 - —
Monobutylether, dms., c.l., works lb. .20 - —
l.c.l., works.....lb. .21 - .24
tanks, works .....lb. .19 - —
Monoethylether, dms., c.l., works..lb. .16 - —
l.c.l., works .....lb. .17 - —
tanks, works .....lb. .15 - —
Monoethylether acetate, dms., c.l., works..lb. .14 - —
tanks, works .....lb. .13 - —
Monomethylether, dms., c.l., works..lb. .18 - —
l.c.l., works .....lb. .19 - .22
tanks works .....lb. .17 - —
Ethylidinanilin, dms.....lb. .45 - .47½
Ethylmethyl ketone, dms., c.l., frt. pd. E. of Rocky Mts., lb. .07 - —
l.c.l., same terms.....lb. .07½- —
tanks, same terms.....lb. .06 - —
Ethylorthoparatoluenesulphonamide, bbls..lb. .53 - —
Ethylparatoluenesulphonamide, bbls..lb. .60 - —
Eucalyptol, cns., dms.....lb. .58 - .60
Eucalyptus leaves, bls.....lb. .09 - .10
Eugenol, bgs., cns.....lb. 2.10 - 2.55
Euphorbia, bls.....lb. .06 - .06½

F

Feldspar, enamel, 100 mesh, bulk, works..ton.14.00 -15.00
glass, 20 mesh, bulk, works.ton.11.00 -12.25
pottery, bulk, Me. works...ton.17.00 -19.00
N.C. works.....ton.17.00 -19.00
Fennel seed, French type, bgs., lb. .07½- .08
Indian, bags.....lb. .07½- .07¾
German, large, bgs.....lb. .18 - .19
small, bgs.....lb. .13 - .14
Fenugreek seed, bgs.....lb. .04 - .04½
Ferric sulphate, dms., works.ton.35.00 -40.00
Film scrap, colors, dark, cs., 1,000 lbs. or over, E. works lb. .14 - —
smaller lots, E. works. lb. .14½- —
Film scrap, colors, light, cs., 1,000 lbs. or over, works..lb. .14½- —
smaller lots, E. works.lb. .15 - —
water white cs. 1,000 lbs. or over, E. works..lb. .16 - —
smaller lots, E. works.lb. .17 - —
Film scrap prices f.o.b. Calif. works, 1c. lb. lower.
Fir balsam, Canada, cns.....gal.16.00 -17.00
Oregon, bbls.....gal. 1.35 - 1.40
Fish berries, bgs.....lb. .09 - .10
Fish scrap, menhaden, dried, 11-12% ammon., 15% bone phos., bulk, Chesapeake factories, contracts, futures, unit-ton. No prices.
grd., 11-12% ammon., 15% bone phos., bgs., f.o.b. Balto..ton.53.00 - —
wet, acidulated, 6-7% ammon., 3-4% phosphor. acid, bulk, E. cst. factories, contracts..unit-ton. 2.90 & .50 Nom.
sardine, meal, Japanese, 11½% ammon., bgs., c.i.f., ports, Dec.-Jan. shipt..ton.46.00 - —
spot .....ton.45.00 - —
Flake white, bbls., kgs.....lb. .08½- .08¾
Fleaseed, French, black, bgs..lb. .10 - .11
Indian, blonde, bgs.....lb. .10½- .11
Fluorspar, enamel, 96-98%, bgs., ton.33.00 - —
Standard, gravel, washed, 85 and 5% dom., bulk, f.o.b. Ill., Ky. mines, ton.20.00 -21.50
import, bulk, Atlantic ports, duty-paid..ton.23.00 -23.50
lump, 85 and 5, dom., bulk, f.o.b. Ill., Ky., mines...ton.21.00 -22.50
powd., 97%, import., bgs., Atlantic ports, duty-paid..ton. No prices.
Formaldehyde, bbls., c.l., works, lb. .05¾- —
l.c.l., works.....lb. .06¼- —
dms., c.l., works.....lb. .05¼- —
l.c.l., works.....lb. .05¾- —
tanks, works.....lb. .04½- —
Fringetree bark, bls.....lb. .13 - .14
Fuller's earth, dom., bgs., c.l., f.o.b. Fla., Ga., mines..ton.10.00 - —
import., bgs., c.l., ex dock.ton.28.00 - —
l.c.l., ex whse.....ton.30.00 - —
Furfural, refd., dms., c.l., works, lb. .15 - —
l.c.l., works.....lb. .17½- .25
tech., dms., contracts, 150,000 lbs., works..lb. .10 - —
c.l., works.....lb. .12½- —
l.c.l., works.....lb. .15 - .20
tanks, works.....lb. .09 - —
Fusel oil, refd., dms., incl., dlvd., lb. .16 - .18
Fustic extract, cryst., bbls....lb. .22 - .26
liquid, bbls.....lb. .09¼- .13
solid, dms.....lb. .17½- .19½

G

G salt, bbls.....lb. .45 - .48
Galangal root, bls.....lb. .11 - .12
Gall extract, bbls.....lb. .19 - .20
Gambier, common, bgs.....lb. No prices.
plantation, bgs.....lb. .08¾- .09
Cubes, Singapore, bgs.....lb. .10¾- —
Extract, bbls.....lb. .08½ Nom.
Gasoline, at refinery:—
Bayonne, US motor, below 60 octane, tanks..gal. .07½- —
60-65 octane, tanks....gal. .07½- .07¾
above 65 octane, tanks.gal. .07¾- —
California, 54-58, tanks...gal. .07½- .08½
Gasoline, at refinery, Gulf Coast, US motor, bulk..gal. .05¾- —
60-62, 390 e.p., bulk, export, gal. .05¾- —
60-62, 400 e.p., bulk, export, gal. .05¾- —
64-66, 375 e.p., bulk, export, gal. .05¾- —
Louisiana-Arkansas, US motor, 62 octane, tanks..gal. .05½- —
63-66 octane, tanks....gal. .05¾- .06
67-69 octane, tanks....gal. .06½- .06¾
70-72 octane, tanks....gal. .06½- —
Oklahoma-Texas, US motor, 62 octane and below, tanks..gal. .04 - .04½
third grade, tanks.....gal. .04 - .04¼
63-66 octane, tanks...gal. .04¾- .05
67-69 octane, tanks...gal. .05 - .05½
70-72 octane, tanks...gal. .05¼- .05½
natural, 14-lb. v. p., tanks, gal. .05¼- .05¾
18-lb. v.p., tanks.....gal. .04¾- .04¾
22-lb. v.p., tanks.....gal. .04¼- .04½
26-70 lb., v.p., tanks..gal. .03¾- .04
Pennsylvania, US motor, below 60 octane, tanks.....gal. .05¾- .05¾
60 octane, tanks.....gal. .07¾- .07¾
52-54, 450 e.p., naphtha, tanks..gal. .05¾- .06
54-56, 400 e.p., strt., run, tanks..gal. .05¾- .06¼
Gelatin, silver, cs.....lb. .45 - .50
Gelsemium root, bls.....lb. .13 - .14
Gentian root, bls.....lb. .13 - .14
grd., bbls., bxs.....lb. .15 - .16
powd., bbls., bxs.....lb. .16 - .17
Geraniol, cns., dms.....lb. .75 - 3.00
Geranyl acetate, bots., dms...lb. 1.75 - 2.50
Ginger root, African, bgs.....lb. .14¾- .15
Cochin, lemon, bgs.....lb. .14½- .15
Jamaica, bold, bgs.....lb. .16¾- .17
grinding, bright, bgs....lb. .15 - .15½
medium, bold, bgs.....lb. .15½- .15¾
Japanese, bgs.....lb. .16 - .16½
Ginseng fibers, cs.....lb. 1.75 - 3.00
Root, cultivated, cs.....lb.10.00 -11.00
wild, Southern, cs.....lb. 6.00 - 7.00
Glauber's salt, anhyd. (see Soda sulphate).
cryst., dom., bgs., bbls., c.l., works..100 lbs. .95 - 1.15
5 tons or over, works... 100 lbs. 1.05 - 1.25
less than 5 tons, works.. 100 lbs. 1.15 - 1.35
import., bgs. .....100 lbs. 1.05 - 1.35
Glue, bone, calcimine type, 24 millipoise, 36 jelly-grams, bgs., c.l., dlvd..lb. .14 - —
l.c.l., dlvd.....lb. .14½- —
36/58, bgs., c.l., dlvd.....lb. .14½- —
l.c.l., dlvd.....lb. .15 - —
58/82, bgs., c.l., dlvd.....lb. .15½- —
l.c.l., dlvd.....lb. .16 - —
82/108, bgs., c.l., dlvd....lb. .16 - —
l.c.l., dlvd.....lb. .16½- —
hide, calcimine type, 53 millipoise, 135 jelly grams, bgs., c.l., dlvd., East, Middlewest..lb. .16½- —
l.c.l., same basis.....lb. .17 - —
60/164,bgs.,c.l.,same basis.lb. .16 - —
l.c.l., same basis.....lb. .16½- —
67/192,bgs.,c.l.,same basis.lb. .19 - —
l.c.l., same basis.....lb. .19½- —
75/222, bgs., c.l., same basis lb. .20 - —
l.c.l., same basis.....lb. .21 - —
83/251,bgs.,c.l.,same basis.lb. .21 - —
l.c.l., same basis.....lb. .22 - —
92/288,bgs.,c.l.,same basis.lb. .22 - —
l.c.l., same basis.....lb. .23 - —
102/315, bgs., c.l., same basis lb. .22½- —
l.c.l., same basis.....lb. .23½- —
113/347, bgs., c.l., same basis lb. .23½- —
l.c.l., same basis.....lb. .24½- —
125/379, bgs., c.l., same basis lb. .24½- —
l.c.l., same basis.....lb. .25½- —
Glue prices for barrel packing, ¼c. lb. higher; grinding charge, 20-40 mesh, ½c. lb.; 60 mesh, 1c. lb.
Glycerin, C.P., makers, cns., l.c.l. lb. .21½- .22
dms., extra, c.l. .....lb. .19½- —
l.c.l. .....lb. .20 - —
dynamite, dms., extra, c.l...lb. .19½- —
l.c.l. .....lb. .20 - —
saponification, basis 88%, dms., returnable, dlvd..lb. .14½- .15
soaplye, basis 80%, dms., returnable, dlvd..lb. .13 - .13½
yellow, distilled, dms., extra, c.l. lb. .21½- —
l.c.l. .....lb. .21½- —
Glycol boriborate, dms.....lb. .26 - —
Phthalate, dms. .....lb. .40 - —
Stearate, dms. .....lb. .27½- —
Gold, U.S. purchase price....oz.35.00 - —
Chloride, acid brown, bots..oz.20.75 -21.00
yellow, bots. .....oz.18.75 -19.00
Gold-soda chloride, photo., bots., oz.13.00 - —
U.S.P. IX, bots.....oz.14.50 -14.75
Gold of pleasure seed, bgs.....lb. .16¼- .16¾
Golden seal root, bls.....lb. 3.60 - 3.65
powd., bxs.....lb. 3.75 - 3.80
Grains of paradise, bgs.....lb. .35 Nom.
Graphite, flaks (cryst.), 90% 325 mesh, 80% graphitic carbon, bgs., c.l., works.lb. .06 - —
bbls., c.l., works.....lb. .06¼- —
lc.l., works .....lb. .06½- —
powd., 90% 325 mesh, 65% graphitic carbon, bgs., c.l., works..lb. .02½- —
bbls., c.l., works.....lb. .02¾- —
l.c.l., works.....lb. .03¼- —
80% graphitic carbon, bgs., c.l., works..lb. .03½- —
bbls., c.l., works.....lb. .03¾- —
l.c.l., works.....lb. .04¼- —
Grease, house, trcs.....lb. .04¾- .05
White, trcs.....lb. .06¾- .07¾
Yellow, trcs.....lb. .04¾- .05
Wool (see Adeps lanae and Degras).
Green, chrome, C.P., dark, light, medium, blue content up to 5% bbls., dlvd. N. of Tenn. and N. C., E. of Miss. river, including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. .21 - —
6-10%, bbls., same basis.lb. .22 - —
11-15%, bbls., same basis.lb. .23 - —
16-20%, bbls., same basis.lb. .23½- —
21-25%, bbls., same basis.lb. .24 - —
26-30%, bbls., same basis.lb. .24½- —

Green, chrome, C. P., dark, light, medium, blue content, 31-35%, bbls., same basis. lb. .25½- —
36-40%, bbls., same basis.lb. .27 —
41-45%, bbls., same basis.lb. .28½- —
46-50%, bbls., same basis.lb. .30 - —
over 50%, bbls., same basis lb. .31 - —

Chrome green prices are ½c. higher dlvd. Ala., Fla., Ga., La., (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1½c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.

reduced, C.P. color content up 5%, bbls., same basis..lb. .06 - —
6-10%, bbls., same basis.lb. .06¾- —
11-13%, bbls., same basis.lb. .07¼- —
14-16%, bbls., same basis.lb. .07½- —
17-19%, bbls., same basis.lb. .07¾- —
20-21%, bbls., same basis.lb. .08 - —
22-23%, bbls., same basis.lb. .08¼- —
24-25%, bbls., same basis.lb. .08½- —
26-27%, bbls., same basis.lb. .08¾- —
28-29%, bbls., same basis.lb. .09¼- —
30-31%, bbls., same basis.lb. .10 - —
32-33%, bbls., same basis.lb. .11¼- —
34-35%, bbls., same basis.lb. .12¼- —
36-40%, bbls., same basis.lb. .14¼- —
41-45%, bbls., same basis.lb. .16¼- —
46-50%, bbls., same basis.lb. .16¾- —
51-55%, bbls., same basis.lb. .17¼- —
56-60%, bbls., same basis.lb. .17¾- —
61-65%, bbls., same basis.lb. .18¼- —
66-70%, bbls., same basis.lb. .19¼- —
71-75%, bbls., same basis.lb. .20¼- —
Chrome, oxide, dom., pure.bbl. .21 - —
ceramic, light shades, bbls., c.l., works..lb. .28 - —
l.c.l., works.....lb. .30 - —
standard grade, bbls., works..lb. .19 - .20
tetrahydroxide, bbls.....lb. .85 - —
Paris (see P)
Tungstated, brilliant, kgs...lb. 3.75 - —
emerald, kgs.....lb. 2.60 - —
Verdigris (see V)
Green dyes are listed under Dyes.
Grindelia robusta, bls.....lb. .08½- .10
Guaiac resin, cs.....lb. .27 - .28
strained, cs.....lb. .90 - 1.00
Wood, bls.....lb. .04 - .05
Guaiacol, liq., djns.....lb. 1.55 - 1.70
Carbonate, fib, dms., 25 lbs..lb. 2.40 - 2.74
Guarana, powd., cs.....lb. 1.20 - 1.25
Gum, aloe (see A).
Ammoniac, tears., cs.....lb. .85 - .90
Arabic, amber sorts, cleaned, bgs..lb. .11½- .12
white, sorts, 1, bgs.....lb. .24 - .25
2, bgs.....lb. .22 - .23
powd., bbls.....lb. .15 - .16
Asafetida (see A).
Asphaltum (see A).
Benzoin, Siam, cs.....lb. 1.40 - 1.65
Sumatra, cs.....lb. .15 - .25
Camphor (see C)
Chicle, bgs.....lb. .40 - .45
Copal, Congo 1, water white, transparent, bgs., c.l., ex dock or ex whse., N. Y. or San Fran....lb. .46 - —

Copal, dammar, elemi, kauri, mastic, sandarac, and yacca gums prices c.l. (30,000 lbs. min.) apply to assorted lots of gums as well as one grading; l.c.l. prices are ¼c. higher for 10 bgs. or over; ½c. higher for 1-9 bgs.

2, cloudy, white, bgs., c.l., same basis..lb. .31¾- —
3, selected pale straw bold, bgs., c.l., same basis..lb. .20 - —
4, pale bold straw, bgs., c.l., same basis..lb. .20¾- —
5, pale straw bold, bgs., c.l., same basis..lb. .15¾- —
6, pale amber bold, bgs., c.l., same basis..lb. .15¾- —
7, pale straw bold, bgs., c.l., same basis..lb. .14¾- —
8, light amber bold, bgs., c.l., same basis..lb. .13¾- —
9, medium light amber bold, bgs., c.l., same basis..lb. .11¾- —
10, rescraped hard amber bold, bgs., c.l., same basis, lb. .10½- —
11, hard dark amber bold, bgs., c.l., same basis..lb. .08¾- —
12, selected bold sorts, bgs., c.l., same basis..lb. .08 - —
13, dark sorts bold, bgs., c.l., same basis..lb. .06¼- —
14, selected, fully scraped ivory, bgs., c.l., same basis..lb. .19¾- —
15, ordinary ivory sorts, bgs., c.l., same basis..lb. .06¼- —
16, inferior ivory sorts, bgs., c.l., same basis..lb. .06¼- —
17, pale fingers, bgs., c.l., same basis..lb. .18¾- —
18, pale straw nubs, bgs., c.l., same basis..lb. .13¾- —
19, pale straw nubs, bgs., c.l., same basis..lb. .12¼- —
20, hard dark amber nubs, bgs., c.l., same basis..lb. .09¼- —
21, ordinary selected nubs, c.l., same basis..lb. .08¾- —
22, small mixed nubs, bgs., c.l., same basis..lb. .07¾- —
23, dark mixed nubs, bgs., c.l., same basis..lb. .07¼- —
24, No. 1, ivory nubs, bgs., c.l., same basis..lb. .16¾- —
25, No. 2, natural ivory nubs, bgs., c.l., same basis, lb. .07¾- —
26, pale bold chips, bgs., c.l., same basis..lb. .07¾- —
27, pale small chips, bgs., c.l., same basis..lb. .06½- —
28, pale dust, bgs., c.l., bgs., same basis..lb. .05½- —
East India, Batu, bold scraped, bgs., c.l., same basis..lb. .06 - —
unscraped, bgs., c.l., same basis..lb. .04 - —
chips, bgs., c.l., same basis lb. .03¾- —
dust, bgs., c.l., same basis..lb. .03½- —
nubs and chips, bgs., c.l., same basis..lb. .03¾- —
black, bold, scraped, bgs., c.l., same basis..lb. .06½- —
unscraped, bgs., c.l., same basis..lb. .04¼- —
nubs and chips, bgs., c.l., same basis..lb. .04¼- —
Hiroe, Macassar, pale, bold, bgs., c.l., same basis.lb. .13 - —
chips, bgs., c.l., same basis..lb. .05¾- —
dust, bgs., c.l., same basis, lb. .03½- —
nubs, bgs., c.l., same basis..lb. .10¾- —
Singapore Rasak, bold, bgs., c.l., same basis..lb. .15¾- —
chips, bgs., c.l., same basis, lb. .04¾- —
dust, bgs., c.l., same basis.lb. .03¾- —
nubs, bgs., c.l., same basis.lb. .10¾- —
Manila, Boeas, amber and dark, bskts., c.l., same basis..lb. .14 - —
light, bskts., c.l., same basis..lb. .13½- —

Gum, copal, Manila, Loba A, bskts., c.l., same basis..lb. .12 - —
B, bskts., c.l., same basis.lb. .11¾- —
C, bskts., c.l., same basis.lb. .11¼- —
CNE, bskts., c.l., same basis..lb. .07¾- —
D, bskts., c.l., same basis, lb. .09¾- —
DK, bskts., c.l., same basis, lb. .07¾- —
DU, bskts., c.l., same basis, lb. .08¾- —
dust, bskts., c.l., same basis, lb. .06¾- —
Sambas and white split chips, bskts., c.l., same basis..lb. .14¾- —
Singapore, dust, bskts., c.l., same basis..lb. .06¾- —
spirit-soluble, CBB, bskts., c.l., same basis..lb. .08¾- —
DBB, bskts., c.l., same basis..lb. .08¾- —
MA, bskts., c.l., same basis, lb. .07¼- —
MB, bskts., c.l., same basis, lb. .06¾- —
WS, bskts., c.l., same basis, lb. .08¾- —
Philippine Manila, amber sorts, bskts., c.l., same basis...lb. .07¾- —
chips, pale, bskts., c.l., same basis..lb. .08¾- —
small, bskts., c.l., same basis..lb. .07¾- —
extra pale sorts, bskts., c.l., same basis..lb. .09½- —
nubs, bskts., c.l., same basis..lb. .11¾- —
pale, scraped, bskts., c.l., same basis..lb. .11¾- —
seeds and dust, bskts., c.l., same basis..lb. .06½- —
Pontianak, bold, genuine, bgs., same basis..lb. .16½- —
mixed, bgs., c.l., same basis..lb. .14 - —
chips, bgs, c.l., same basis...lb. .10¼- —
split, bgs., c.l., same basis, lb. .14¾- —
nubs, bgs., c.l., same basis.lb. .12¾- —
Dammar, Batavia A, cs., c.l., same basis as copal..lb. .25½- —
A/D, cs., c.l., same basis.lb. .20¾- —
A/E, cs., c.l., same basis.lb. .17¼- —
B, cs., c.l., same basis...lb. .24 - —
C, cs., c.l., same basis...lb. .20¾- —
D, cs., c.l., same basis...lb. .17½- —
dust, cs., c.l., same basis.lb. .06¾- —
E, cs., c.l., same basis...lb. .08½- —
F, cs., c.l., same basis...lb. .07¼- —
Singapore, 1, cs., c.l., same basis..lb. .21½- —
2, cs., c.l., same basis....lb. .16¾- —
3, cs., c.l., same basis....lb. .05¾- —
chips, cs., c.l., same basis.lb. .13½- —
dust., cs., c.l., same basis.lb. .05¾- —
seeds, cs., c.l., same basis.lb. .09½- —
Elemi, cns., c.l., same basis as copal..lb. .09¾- —
Ester, dms., c.l., dlvd.....lb. .09½- —
l.c.l., dlvd.....lb. .09¾- .10
Euphorbium, cs.....lb. .17 - .18
Galbanum, cs.....lb. .95 - 1.00
Gamboge, pipe, cs.....lb. .80 Nom.
powd., bbls.....lb. .85 Nom.
Ghatti, soluble, bgs.....lb. .11 - .15
superior, bgs.....lb. .09 - .11
Guaiac (see Guaiac resin).
Karaya XXX, bbls., bxs., dms..lb. .27 - .30
XX, bbls., bxs., dms.....lb. .18 - .19
1, bbls., bxs., dms.....lb. .12 - .13
2, bbls., bxs., dms.....lb. .11 - .12
Kauri, brown, XXX, cs., c.l., lb. .60 - —
BX, cs., c.l., same basis..lb. .38 - —
B1, cs., c.l., same basis..lb. .28 - —
B2, cs., c.l., same basis..lb. .24 - —
B3, cs., c.l., same basis..lb. .18½- —
50% chips, cs., c.l., same basis..lb. .18¾- —
pale, XXX, cs., c.l., same basis..lb. .61 - —
1, cs., c.l., same basis..lb. .41 - —
2, cs., c.l., same basis..lb. .24 - —
3, cs., c.l., same basis..lb. .17¾- —
Kino, tins.....lb. 2.00 - 2.10
Mastic, cs., c.l., same basis as copal..lb. .55 - .56
Myrrh, USP, cs.....lb. .86 - .87
Olibanum, siftings, cs.....lb. .07½- .18
tears, cs.....lb. .13 - .24
Opium (see O)
Rosin (see R)
Sandarac, cks, c.l., same basis ac copal..lb. .25 - .26
Scammony, cs.....lb. 1.10 - 1.15
Senegal, picked, bgs.....lb. .27 - .29
sorts, bgs.....lb. .13 - .13½
Talha, bgs.....lb. .07½- .08
Thus, bbls.....280 lbs. 13.75 -14.00
Tragacanth, Aleppo, 1, cs....lb. 2.75 - 3.00
2, cs.....lb. 2.40 - 2.45
3, cs.....lb. 2.35 - 2.40
4, cs.....lb. 2.30 - 2.35
5, cs.....lb. 2.25 - 2.30
Flake, bgs.....lb. .50 - 1.00
Yacca, bgs., c.l., same basis as copal..lb. .08½- —
powd., bgs., c.l., same basis.lb. .04½- —
Gypsum, Keene's cement, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald..ton. 21.15 - —
Medicine Lodge, Kans., frt. equald..ton. 17.00 - —
New Brighton, N. Y., frt. equald..ton. 27.15 - —
Southard, Okla., frt. equald..ton. 17.00 - —
Sweetwater, Tex., frt. equald..ton. 21.15 - —
Plaster of paris, paper bgs., c.l., f.o.b. Acme, Tex., frt. equald..ton. 12.50 - —
Blue Rapids, Kans., frt. equald..ton. 12.50 - —
New Brighton, N. Y., frt. equald..ton. 15.70 - —
Southard, Okla., frt. equald..ton. 12.50 - —
Sweetwater, Tex., frt. equald..ton. 12.50 - —
Stucco, paper bgs., c.l., f.o.b. Acme, Texas; Blue Rapids, Kans., Fort Dodge, Ia.; Grand Rapids, Mich.; Gypsum, O.; New Brighton, N.Y.; Oakfield, N. Y.; Plasterco, Va.; Southard, Okla.; Sweetwater, Tex., frt. equald, ton. 8.00 - —
Terra alba, dom., paper bgs., c.l., f.o.b. New Brighton, N. Y., Southard, Okla., frt. equald..ton. 12.00 - —
import, bxs., ex dock....ton. 27.50 - —

H

Heliotropin, cryst., cns.....lb. 1.80 - 2.00
Hellebore, white, root, powd., bbls. lb. .12 - .18
Helonias root, bls.....lb. .70 - .75
Hematine crystals, bbls.....lb. .18 - .84
Hemlock extract, 25% tan., bbls. lb. .03 - .03½
Hempseed, Manchur, bgs.....lb. .06½- .07
Henbane leaves, bls.....lb. .20 - .21
Henna leaves, bls.....lb. .07½- .09
powd., bbls, bxs.....lb. .10 - .11
Heptane, mixed, 77-115°C., dms., c.l., Group 3..gal. .12 - —
l.c.l., Group 3.....gal. .16 - —
tanks, Group 3.....gal. .06½- —
normal, 86-100°., dms., c.l., Group 3..gal. .13 - —
l.c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .10½- —
Hexalin, dms.....lb. .30 - —
Hexane, normal, 60-70° C., dms., c.l., Group 3..gal. .13 - —
l.c.l., Group 3.....gal. .17 - —
tanks, Group 3.....gal. .10½- —
laboratory grade, dms., c.l., Group 3..gal. .16 - —
l.c.l., Group 3.....gal. .25 - —
Hexamethylenetetramine, tech., dms., 1,500 lbs. or more shipments, f.o.b. Perth Amboy or N. Y. C..lb. .35 - —
150 to 1,350 lbs. shipments, same basis..lb. .36 - —
USP, dms., 500 lbs. or more, shipments, same basis, lb. .46 - —
100 to 400 lbs. shipments, same basis..lb. .47 - —
Hexyl acetate, secondary, dms., c.l., frt. pd. E. of Rocky Mts..lb. .13 - —
l.c.l., same terms.....lb. .13¼- —
tanks, same terms.....lb. .12 - —
Homatropine hydrobromide, bots., 50 ozs...oz. 13.00 - —
25 ozs.....oz. 13.50 - —
Hoofmeal, 17-18% ammon., bulk, f.o.b. Chicago, unit-ton. 3.20 - —
Hops, dom., 1936 crop, bls....lb. .46 - .51
import., 1936 crop, bls.....lb. .55 - .70
Horehound, bls.....lb. .15 - .16
Hydrangea, root, bls.....lb. .12 - .13
Hydrastine, bots., 4 ozs.....oz. 17.25 - —
cns., 16 ozs.....oz. 17.00 - —
Hydrochloride, bots., 4 ozs...oz. 17.25 - —
cns., 16 ozs.....oz. 17.00 - —
Sulphate, bots., 4 ozs.....oz. 19.25 - —
cns., 16 oz.....oz. 19.00 - —
Hydrastis (see Golden seal).
Hydrofuramide, dms., 100 lbs. or more, works..lb. .30 - —
fib. ctns., works.....lb. .40 - —
Hydrogen peroxide, USP, bbls. lb. .03¾- .04
100 vols., cbys., E. of Miss. R. lb. .20 - —
W. of Miss. R.....lb. .21 - —
Hydroquinone, dealers, bbls., dms..lb. .90 - .94
Hydroxycitronellal, cns.....lb. 2.00 - 2.50
Hyoscine hydrobromide, bots..oz. 16.00 -19.00
Hyoscyamine, bots.....oz. 15.00 - —
Hydrobromide, bots.....oz. 15.00 - —
Sulphate, bots.....oz. 15.00 - —
Hypernic, liq., 51°, bbls.....lb. .16 - .21
solid, bxs.....lb. .18½- .20½

I

Iceland moss, bls.....lb. .12 - .13
Ichthyol, bots.....lb. 4.00 - 4.25
Indian red (see Red, Indian).
Indigo, nat., Bengal, bbls.....lb. 2.40 - —
synth., liq., bbls.....lb. .16½- .19
powd., bbls.....lb. .74½- .85
Indol, CP, bots.....lb. 32.00 -34.00
Insect flowers (see Pyrethrum).
Iodine, crude, jars, 25 lbs.....lb. 1.15 - —
kgs, 150 lbs.....lb. .90 - —
resubl., bots., 5 lbs.....lb. 1.60 - —
jars, 50 lbs.....lb. 1.50 - —
tincture, USP, bbls., 47 gals., gal. 1.55 - —
cbys., 5 gals.....gal. 1.65 - —
mild, bbls., 47 gals.....gal. .80 - —
cbys., 5 gals.....gal. .90 - —
Iodoform, dms., 100 lbs.....lb. 3.75 - —
jrs., 25 lbs.....lb. 3.85 - —
Ionone, bots.....lb. 1.30 - 4.05
Ipecac root, bgs.....lb. 1.30 - 1.35
powd., bxs.....lb. 1.45 - 1.50
Irish moss, ordinary, bls.....lb. .10 - .11
powd., 80-90 mesh, bbls...lb. .24 - .32
prime, bleached, bls.....lb. .19 - .20
Iron acetate, N. F. IV, cbys., 100 lbs..lb. .15 - —
IV, djns., 50 lbs.....lb. .16 - —
Chloride, tech., cryst., bbls., kgs..lb. .05 - .08
USP, cryst., bbls., 500 lbs..lb. .07½- —
kgs., 100 lbs.....lb. .08½- —
solut., USP, cbys., 130 lbs., lb. .06½- —
djns., 50 lbs.....lb. .16 - —
Citrate, USP VIII, pearls, cns., lb. .72 - .75
powd., cns.....lb. .84 - .87
scales, cns.....lb. .77 - .80
Glycerophosphate, bbls., kgs., 1,000 lb. lots..lb. 2.87 - —
smaller lots.....lb. 2.97 - —
cns., 25 lbs.....lb. 3.09 - —
Hypophosphite, cns.....lb. 1.55 - 1.60
Iodide, bots.....lb. 2.95 - 3.00
syrup, djns.....lb. .37 - .38
bots.....lb. .52 - —
Nitrate, comil., kgs.....lb. .02¾- .03
Oxalate, powd., kgs.....lb. .47 - —
cns.....lb. .52 - —
scales, cns.....lb. .83 - .85
Oxide (see Black, Red, etc.),
Phosphate, ferric, pearls, cns., 50 lbs..lb. .54 - —
25 lbs.....lb. .57 - —
scales, cns., 50 lbs.....lb. .59 - —
25 lbs.....lb. .62 - —
Ferrous, bbls., 200 lbs.....lb. .35 - —
bxs., 25 lbs.....lb. .40 - —
kgs., 100 lbs.....lb. .37 - —
Pyrophosphate, pearls, cns...lb. .59 - .62
scales, cns.....lb. .64 - .67
Reduced, 90%, cs.....lb. .60 - .65
Sulphate, tech. (see Copperas and ferric sulphate).
USP, cryst., bbls., 275 lbs. lb. .04½- —
dms., 100 lbs.....lb. .06½- —
Iron-ammonia citrate, brown, gran., cns..lb. .37 - .40
pearls, cns.....lb. .37 - .40
scales, cns.....lb. .47 - .50
green, gran., cns.....lb. .37 - .40
pearls, cns.....lb. .37 - .40
scales, cns.....lb. .47 - .50
Oxalate, bxs.....lb. .31 - —
fib., dms.....lb. .24½- —
kgs.....lb. .26½- —
Iron-potash oxalate, bbls.....lb. .42 - —
kgs.....lb. .44 - —
jars.....lb. .46 - —
Iron-soda oxalate, bxs.....lb. .31 - —
fib., dms.....lb. .24½- —
kgs.....lb. .26½- —
Isobutyl carbinol (see Carbinol).
Isopentane, dms., works.....lb. .48 - —
small lots, works.....lb. .58 - —
Isopropanol, see Alcohol, isopropyl.
Isopropyl acetate, dms., c.l., frt. pd. E. of Rocky Mts..lb. .07½- —
l.c.l., same terms.....lb. .08 - —
tanks, same terms.....lb. .06½- —
Alcohol (see Alcohol).
Ether, dms., c.l., works, frt. alld. E. of Miss R..lb. .07 - —
l.c.l.....lb. .08 - —
tanks.....lb. .06 - —

Green, Chrome—Lead Stearate

J

Jaborandi leaves, bls.....lb. .14 - .15
Jalap root, NF, bls.....lb. .17 - .19
powd., bbls., bxs.....lb. .20 - .21
Juniper berries, bgs.....lb. .05½- .06

K

Kamala, tins.....lb. .37 - .38
Kava kava root, bls.....lb. .15 - .16
Kerosene, at refinery:—
Bayonne, 41-43 w.w., tanks. gal. .06¼- —
Gulf ports, p.w., bulk, export, gal. .05½- .05¾
w.w., bulk..gal. .05¼- .05⅝
Louisiana - Arkansas, 41-43 w.w., bulk..gal. .04½- .04⅝
Oklahoma-Texas, 41-43 w.w., tanks..gal. .04 - .04¼
42-44 w.w., tanks.....gal. .04¼- .04⅜
Pennsylvania, 45 w.w., tanks, gal. .05¼- —
46 w.w., tanks.....gal. .05⅝- —
47 w.w., tanks.....gal. .05½- —
Kerosene, tankwagon:—
Atlanta.....gal. .12 - —
Boston.....gal. .06½- —
Chicago.....gal. .10½ - —
Cincinnati.....gal. .13½- —
Denver.....gal. .11½- —
Louisville.....gal. .10¾- —
Minneapolis.....gal. .10¾- —
New Orleans.....gal. .13 - —
New York.....gal. .09 - —
San Francisco.....gal. .11½- —
Kerosene distillate (see Oil, furnace).
Kieserite, calc., 96-98% $MgSO_4$ bgs., c.l., ex vessel Atlantic, Gulf ports, duty pd..ton. No prices
Kola nuts, bgs.....lb. .08 - .09

L

Lady slipper root, bls.....lb. .55 - .60
Lanolin (see Adeps lanae).
Lard, city, tubs.....100 lbs. 9.75 -10.00
Middlewestern, trcs....100 lbs. 9.40 - 9.50
Neutral, trcs.....100 lbs. 11.50 -11.75
Western, choice, trcs...100 lbs. 9.50 - 9.60
Compound, trcs.....100 lbs. 10.25 -10.50
Larkspur seed, bgs.....lb. .38 - .40
Laurel berries, bls.....lb. .09 - .10
Leaves, Ital., bls.....lb. .05 - .05½
Lavender flowers, ordinary, bls. lb. .35 - .40
select, bls.....lb. .50 - .55
Lead acetate, white, broken, bbls..lb. .12 - —
cryst., bbls.....lb. .12 - —
gran., bbls.....lb. .12¾- —
powd., bbls.....lb. .12¾- —
Arsenate, dms., dealers, E. of Rockies..lb. .13 - —
W. of Rockies.....lb. .11½- —
l.c.l., bgs, dealers, E. of Rockies..lb. .13½- —
W. of Rockies.....lb. .12½- —

Lead arsenate prices are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck allowance for works or whse. pick-ups.

Blue, basic sulphate, bbls., c.l., dlvd., E..lb. .07 - —
dlvd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo.....lb. .07¼- —
l.c.l., dlvd., E.....lb. .07¼- —
dlvd. Ariz., Cal., Col., Idaho, Mont., Nev., N. M., Ore., Utah, Wash., Wyo.....lb. .07½- —
Carbonate (see Lead, white)
Chloride, pure, bots., 5 lbs..lb. .62 - —
fib. dms., 25 lbs.....lb. .49 - —
Iodide, N. F., V., powd., bots., 5 lbs..lb. 2.53 - —
jars.....lb. 2.40 - —
Linoleate, pale, precip., dms. lb. .19 - —

Metal (see daily quotations in market report)

Metallic, paste, 200-lb. cont., f.o.b. works..lb. .22¼- —
5 lb. cont., f.o.b. works..lb. .25½- —
Nitrate, bbls.....lb. .11 - .11⅛
Oleate, bbls.....lb. .18½- .20
Peroxide, cns., works.....lb. .46 - .47
Red, dry, 98% or less, Pb_3O_4, bbls., c.l. (20 tons), dlvd., Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo., and E. of Cascade Mts. in Ore. and Wash..lb. .07¾- —
other points.....lb. .07½- —
l.c.l., 5 tons, dlvd., Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash..lb. .08½- —
dlvd., Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash.lb. .09 - —
Colo., Mont., N. Mex., Wyo.....lb. .08¾- —
other points.....lb. .08¼- —
smaller lots, dlvd., Ala., etc..lb. .09 - —
Ariz., etc.....lb. .09¼- —
Colo., etc.....lb. .09¼- —
other points.....lb. .08¾- —
97%, Pb_3O_4, bbls., c.l., etc., tons) dlvd., Ala., etc., lb. .08 - —
other points....lb. .07¾- —
l.c.l., 5 tons, dlvd., Ala., etc..lb. .08¾- —
Ariz., etc.....lb. .09¼- —
Colo., etc.....lb. .09 - —
other points.....lb. .08¼- —
smaller lots dlvd., Ala., etc..lb. .09¼- —
Ariz.....lb. .09¾- —
Colo.....lb. .09¼- —
other points.....lb. .09 - —
98%, Pb_3O_4, bbls., c.l., (20 tons), dlvd., Ala., etc..lb. .08¼- —
other points.....lb. .08 - —
l.c.l., 5 tons, dlvd., Ala., etc..lb. .09 - —
Ariz., etc.....lb. .09¼- —
Colo., etc.....lb. .09¼- —
other points.....lb. .08¾- —
smaller lots, dlvd., Ala., etc..lb. .09¼- —
Ariz., etc.....lb. .10 - —
Colo., etc.....lb. .09¼- —
other points.....lb. .09 - —
in oil, 100-lb. kgs., agents..lb. .11¾- —
Resinate, fused, 16%, bbls....lb. .09½- —
pale, bbls.....lb. .11½- —
precip., bbls.....lb. .16½- —
Stearate, bbls.....lb. .22 - .28

Lead Sulphate—Musk Root

Lead, sulphate (see Lead, white, basic sulphate).
Titanate, bbls., c.l., f.o.b. works, frt. alld. .lb. .12 - —
l.c.l., 5 tons, one delvy, dlvd., lb. .12¼ - —
smaller lots .lb. .12½ - —
White, dry, basic carbonate, bbls., c.l., dlvd. Ariz., Cal., Colo., Idaho, Mont., Nev., N. Mex., Ore., Utah, Wash. and Wyo. .lb. .07¾ - —
other points .lb. .07½ - —
l.c.l. dlvd. Ariz., etc. .lb. .08 - —
other points .lb. .07¾ - —
basic sulphate, bbls., c.l., dlvd. Ariz., etc. .lb. .07¼ - —
other points .lb. .07 - —
l.c.l., dlvd. Ariz., etc. .lb. .07½ - —
other points .lb. .07¼ - —
in oil, 100-lb. kgs., consumers .lb. .12¾ - —
dealers .lb. .10½ - —
painters .lb. .11½ - —
Lemon peel, bls. .lb. .10 - .11
Licorice extract, mass, cs. .lb. .17 - .18
powd., bbls .lb. .24 - .25
Root, bls. .lb. .04½ - .05
powd., bbls., bxs. .lb. .07 - .08
select, bndls., cs. .lb. .17 - .18
Lime, chemical (quicklime), lump or pebble, bulk, f.o.b. Bellefonte, Pa. .ton. 7.00 - —
Berkley, W. Va. .ton. 7.00 - —
California, northern .ton. 11.80 - —
southern .ton. 11.45 - —
Cedar Hollow, Pa. .ton. 8.00 - —
Chicago .ton. 7.25 - —
Crab Orchard, Tenn. .ton. 6.25 - —
Dallas, Texas .ton. 8.50 - —
Durbin, Ohio .ton. 6.50 - —
Eagle Mountain, Va. .ton. 6.25 - —
Easton, La. .ton. 7.00 - —
Farnams, Mass. .ton. 7.50 - —
Gibsonburg, Ohio .ton. 7.00 - —
Hannibal, Mo. .ton. 6.50 - —
Keystone, Ala. .ton. 7.00 - —
Knoxville, Tenn. .ton. 6.25 - —
Leroy, Minn. .ton. 8.00 - —
Limedale, Ark. .ton. 7.00 - —
Longview, Ala. .ton. 6.25 - —
Marble Cliff, Ohio .ton. 6.50 - —
Marblehead, Ohio .ton. 7.00 - —
Martinsburg, W. Va. .ton. 7.00 - —
Menominee, Mich. .ton. 7.50 - —
Mitchell, Ind. .ton. 6.50 - —
Newala, Ala. .ton. 6.25 - —
Petosky, Mich. .ton. 8.00 - —
Port Island, Mich. .ton. 7.50 - —
Ripplemead, Va. .ton. 6.25 - —
Riverton, Va. .ton. 6.25 - —
Scioto, Ohio .ton. 6.00 - —
Sheboygan, Wis. .ton. 7.00 - —
Sherwood, Wis. .ton. 7.50 - —
Springfield, Mo. .ton. 7.00 - —
Woodville, Ohio .ton. 7.00 - —
hyrated, paper bags, f.o.b. Bellefonte, Pa. .ton. 8.50 - —
Berkley, W. Va. .ton. 8.50 - —
Buffalo .ton. 10.00 - —
California, northern .ton. 15.30 - —
southern .ton. 13.95 - —
Cedar Hollow, Pa. .ton. 8.50 - —
Chicago .ton. 9.50 - —
Crab Orchard, Tenn. .ton. 9.00 - —
Dallas, Tex. .ton. 12.00 - —
Durbin, Ohio .ton. 8.00 - —
Eagle Mountain, Va. .ton. 8.50 - —
Easton, La. .ton. 9.00 - —
Farnams, Mass. .ton. 9.00 - —
Gibsonburg, Ohio .ton. 8.50 - —
Hannibal, Mo. .ton. 8.50 - —
Keystone, Ala. .ton. 9.00 - —
Knoxville, Tenn. .ton. 9.00 - —
Limedale, Ark. .ton. 9.00 - —
Longview, Ala. .ton. 9.00 - —
Louisville, Ky. .ton. 14.50 - —
Marble Cliff, Ohio .ton. 8.00 - —
Marblehead, Ohio .ton. 9.00 - —
Martinsburg, W. Va. .ton. 8.50 - —
Milltown, Ind. .ton. 12.50 - —
Mitchell, Ind. .ton. 9.00 - —
Newala, Ala. .ton. 9.00 - —
Pelham, Ala. .ton. 9.00 - —
Petoisky, Mich. .ton. 9.00 - —
Port Island, Mich. .ton. 9.00 - —
Rapid City, S. D. .ton. 12.00 - —
Ripplemead, Va. .ton. 8.00 - —
Riverton, Va. .ton. 9.00 - —
Scioto, Ohio .ton. 8.00 - —
Sherwood, Wis. .ton. 9.00 - —
Siluria, Ala. .ton. 9.00 - —
Springfield, Mo. .ton. 9.00 - —
Woodville, Ohio .ton. 8.50 - —
spray, paper bgs., f.o.b. Bellefonte, Pa. .ton. 9.00 - —
Durbin, Ohio .ton. 9.00 - —
Farnams, Mass. .ton. 9.00 - —
Gibsonburg, Ohio .ton. 11.00 - —
Marble Cliff, Ohio .ton. 11.00 - —
Marblehead, Ohio .ton. 11.00 - —
Mitchell, Ind. .ton. 9.00 - —
Scioto, Ohio .ton. 9.00 - —
Sherwood, Wis. .ton. 9.00 - —
Woodville, Ohio .ton. 11.00 - —
Lime salts (see Calcium)
Lime-sulphur, dry, dealers, bgs., c.l., E. of and incl. N. Dak., S. Dak., Neb., Kan., Okla., Tex. .lb. .07½ - .08½
dms., same basis .lb. .10½ - —
400 lbs., or more, bgs., same basis .lb. .07¾ - .08¾
dms., same basis .lb. .11 - —
less than 400 lbs., same basis, lb. .08½ - .09½
dms., same basis .lb. .12 - —
solution, dms., consumer, c.l., works, fr't all'd. .gal. .13½ - .14½
dealer, fr't all'd. .gal. .13 - .16
l.c.l., consumer, fr't all'd, gal. .15 - .18
dealer, fr't all'd. .gal. .14 - .17
tanks, consumer, dlvd. .gal. .11½ - —
dealer, dlvd. .gal. .11 - —
Pacific Coast, tanks, f.o.b. Richmond or San Jose, Calif. .gal. .10 - —
53-gal. dms., same basis, gal. .13 - —
53-gal. dms., ex whse., gal. .15 - —
Linalool, cns. .lb. 1.90 - 2.10
Linalyl acetate, cns., 25 lbs. .lb. 1.70 - 2.45
Linden flowers, with leaves, bls. .lb. .18 - .19
without leaves, bls. .lb. .20 - .21
Linseed cake, bgs., export .ton. 30.50 -31.00
Meal, 32%, dom., bgs. .ton. 40.50-41.60
Litharge, com'l, powd., bbls., 20-tons dlvd. Ala., Ariz., Ark., Colo., Fla., Ga., Idaho, La., Miss., Mont., Nev., N. Mex., Okla., Tex., Utah, Wyo. and E. of Cascade Mts. in Ore. and Wash. .lb. .06¾ - —
other points .lb. .06½ - —
5 tons, dlvd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex. and W. of Cascade Mts. in Ore. and Wash. .lb. .07½ - —
Ariz., Idaho, Nev., Utah, and E. of Cascade Mts. in Ore. and Wash. .lb. .08 - —
Colo., Mont., N. Mex., Wyo. .lb. .07¾ - —
other points .lb. .07¼ - —
Litharge, com'l, powd., bbls., smaller lots, dlvd., Ala., etc. .lb. .08 - —
Ariz., etc. .lb. .08½ - —
Colo., etc. .lb. .08¼ - —
other points .lb. .07¾ - —
Lithium bromide, 100 lbs., works, frt. equal'd. .lb. 1.90 - —
50 lbs., works .lb. 1.93 - —
25 lbs., works .lb. 1.95 - —
Carbonate, bbls., 250 lbs. .lb. 1.25 - —
kgs., 100 lbs. .lb. 1.30 - —
Chloride, jars, 25 lbs. .lb. 1.65 - 1.70
Citrate, bbls., 250 lbs. .lb. 1.40 - —
fib. dms., 25 lbs. .lb. 1.45 - —
kgs., 100 lbs. .lb. 1.40 - —
Iodide, bots., 5 lbs. .lb. 4.85 - —
jars, 25 lbs. .lb. 4.70 - —
Fluoride, bbls. .lb. 2.10 - 2.25
Lithopone, dom., high-strength, bgs., 20 tons, dlvd. E. or ex whse. Pac. Cst. .lb. .05¾ - —
smaller lots, same basis. .lb. .06¼ - —
bbls., 20 tons, same basis, lb. .06¼ - —
smaller lots, same basis. .lb. .06¾ - —
ordinary, bgs., 20 tons, same basis. .lb. .04¾ - —
smaller lots, same basis. .lb. .04¾ - —
bbls., 20 tons, same basis, lb. .04¾ - —
smaller lots, same basis. .lb. .04¾ - —
titanated, bgs., 20 tons, same basis. .lb. .05¾ - —
smaller lots, same basis. .lb. .06½ - —
bbls., 20 tons, same basis, lb. .06¼ - —
smaller lots, same basis. .lb. .06¾ - —
Liverwort leaves, bls. .lb. .18 - .19
Lobelia herb, bls. .lb. .13 - .15
Seed, bgs. .lb. .35 - .36
Logwood extract, cryst., bbls. .lb. .18 - .22
liquid, 51°, bbls. .lb. .09½ - .11½
solid, bxs. .lb. .15 - .19
Sticks, Haitian, shipt. .ton. 24.00 -25.00
Lovage root, dom., bls. .lb. .55 - .65
import, bls. .lb. .35 - .37
Lupulin, N.E., tins. .lb. 1.75 - 2.00
Lycopodium, cs. .lb. 1.30 - 1.35

M

Mace, Banda, cs. .lb. .57 - .58
Batavia, cs. .lb. .48 - .49
Siauw, 1, cs. .lb. .53 - .54
Madder, Dutch, bgs. .lb. .22 - .25
Magnesia arsenate, cs., dms. .lb. .18 - .20
Calcined, dom., four-hour, including activator, ctns., 10,000 lbs. or over, f.o.b. Plymouth Meeting, Pa., frt. alld. to Balto., Bost., N. Y., Phila. .lb. .27 - —
1,000-10,000 lbs., same basis. .lb. .28½ - —
less than 1,000 lbs., same basis. .lb. .30 - —
tech., heavy, bbls., f.o.b. Plymouth Meeting, Pa., frt. alld. to Balto., Bost., N. Y., Phila. .lb. .28 - —
light, bbls., same basis. .lb. .23 - —
1-lb. pkgs., same basis. .lb. .33 - —
1-lb. tins, same basis. .lb. .33 - —
USP, heavy, bbls., same basis. lb. .30 - —
1-lb. pkgs., same basis. .lb. .40 - —
special, bbls., same basis, lb. .27 - —
super light, bbls., same basis. .lb. .30 - —
calcined, USP, import., heavy, pharm., bbls. .lb. .50 - —
light, extra, bbls. .lb. .36 - .40
standard, bbls. .lb. .30 - —
Carbonate, tech., Zone 1, bgs., c.l. .lb. .06¼ - —
l.c.l. .lb. .07 - —
bbls., c.l. .lb. .07½ - —
l.c.l. .lb. .08 - —
kgs., c.l. .lb. .08¾ - —
l.c.l. .lb. .09½ - —
Magnesia, carbonate, tech., Zone 2, bgs., c.l. .lb. .06 - —
l.c.l. .lb. .06½ - —
bbls., c.l. .lb. .07 - —
l.c.l. .lb. .07½ - —
kgs., c.l. .lb. .06¼ - —
l.c.l. .lb. .09 - —
USP, Zone 1, bbls., c.l. .lb. .06¼ - —
l.c.l. .lb. .09 - —
kgs., c.l. .lb. .09¾ - —
l.c.l. .lb. .10¼ - —
Zone 2, works, bbls., c.l. .lb. .08 - —
l.c.l. .lb. .08½ - —
kgs., c.l. .lb. .09½ - —
l.c.l. .lb. .10 - —
Zone 1:—Mass., Conn., R. I., N. Y., N. J., Pa., Del., and Md. C.l. shipm'ts, full frt alld. up to, but not exceeding 25c. per 100 lbs., actually paid by customers. On l.c.l. shipm'ts., frt. alld., including dlvd. store door. Zone 2:—Balance of U. S.
Chloride, flake, dom., bbls., works. .ton. 39.00 -42.00
Hypophosphite, cns., 100 lbs. .lb. 1.45 - —
25 lbs. .lb. 1.50 - —
Oxide (see Calcined).
Palmitate, bbls. .lb. .33 Nom.
Peroxide, 15%, dms., works. .lb. 1.00 - 1.05
Silicate (see Talc)
Silicofluoride, bbls. .lb. .09½ - .10½
Stearate, bbls., ctns., c.l. .lb. .21 - —
c.l. .lb. .21 - —
1 ton .lb. .22 - —
1,000-2,000 lbs. .lb. .23 - —
smaller lots .lb. .24 - —
Sulphate (see Epsom salt)
Magnesite, cal., import, bbls. .ton. 60.00 -65.00
dead-burned, dom., bulk, c.l., f.o.b. Chewelah, Wash. .ton. 25.00 - —
Malva flowers, black, bls. .lb. .40 - .42
Blue, bls. .lb. .45 - .50
Leaves, bls. .lb. .12 - .18
Manaca root, bls. .lb. .20 - .21
Mandrake root, bls. .lb. .17 - .18
Manganese acetate, dms. .lb. .26½ - —
Arsenate, bgs. .lb. .12 - .12½
Borate, tech., bbls. .lb. .15 - .16
Carbonate, bbls. .lb. .21 - .22
Chloride, bbls. .lb. .09 - —
Dioxide, Caucasian, 85-90%, bbls., c.l., works. .ton. 66.50 - —
l.c.l., 5 tons, works. .ton. 69.50 - —
smaller lots, works. .ton. 74.50 - —
burlap bgs., c.l., works. .ton. 64.50 - —
l.c.l., 5 tons, works. .ton. 67.50 - —
smaller lots, works. .ton. 72.50 - —
paper bgs., c.l., works. .ton. 62.50 - —
l.c.l., 5 tons, works. .ton. 65.50 - —
Glycerophosphate, bbls., kgs., 1,000-lb lots. .lb. 2.61 - —
smaller lots. .lb. 2.71 - —
cns., 25 lbs. .lb. 2.83 - —
solut., djns., 1,000 lbs. lots, lb. .61 - —
smaller lots. .lb. .71 - —
cns., 25 lbs. .lb. .81 - —
Hydrate, bbls., dlvd. .lb. .32 - —
Iodide, bots., 5 lbs. .lb. 5.25 - —
jars, 25 lbs. .lb. 5.10 - —
Linoleate, liquid, 4%, dms. .lb. .18 - .19½
solid, precip., 8.5%, bbls. .lb. .19 - —
Ore, 50-52%, basis, bbls., c.l. Atl. ports. .unit-ton. .50 Nom
Resinate, fused, 3½%, bbls. .lb. .08¼ - .08½
precip., dms. .lb. .12 - —
Manganese, sulphate, anhyd., bbls., works. .lb. .07 - .07½
cryst., 85% $MnSO_4$, bgs., c.l., dlvd. South. .ton. 48.75 - —
l.c.l., bgs. .ton. 55.75 - —
80-85%, bgs., c.l., works, frt. alld. to S.F.A. territory unit-ton. .75 - —
l.c.l., 5 tons, works. .lb. .06½ - —
smaller lots, works. .lb. .04 - —
Mangrove bark, bgs., shipt. .ton. 26.50 -27.00
Manna flake, large, cs. .lb. .40 - .42
small, cs. .lb. .20 - .22
Mannitol, pure, cryst., cs., works. lb. 1.45 - —
Marble flour, bgs. .ton. 12.00 -14.00
Marjoram, French, bbls. .lb. .20 - .20½
Tunisian, bls. .lb. .19 - .19½
Matico leaves, bls. .lb. .28 - .30
Menthol, USP, natural, cs. .lb. 3.35 - 3.45
synthetic, tech., cs. .lb. 2.25 - —
U.S.P., cs. .lb. 3.25 - —
liquid, dms., 40 lbs. .lb. 1.60 - —
Menthyl salicylate, tins, 100 lb. lots. .lb. 3.00 - —
25 lb. lots. .lb. 3.10 - —
Mercurial ointment, 30%, pails, 50 lbs. .lb. .87 - —
25 lbs. .lb. .90 - —
50% pails, 50 lbs. .lb. 1.26 - —
25 lbs. .lb. 1.28 - —
Mercury (see Quicksilver).
Bichloride (see Corrosive sublimate).
Bisulphate, bots., 5 lbs. .lb. 1.81 - —
fib., dms., 100 lbs. .lb. 1.68 - —
jars, 25 lbs. .lb. 1.70 - —
Chloride (see Calomel).
Iodide, red, N. F., bots., 5 lbs. lb. 3.67 - —
cns., 25 lbs. .lb. 3.55 - —
fib. dms., 100 lbs. .lb. 3.55 - —
yellow, bls., 5 lbs. .lb. 3.67 - —
cns., 25 lbs. .lb. 3.65 - —
fib. dms., 100 lbs. .lb. 3.65 - —
Nitrate ointment (see Citrine ointment)
Oxide red, N.F. (see Red precipitate)
tech. (See Red, mercury oxide).
Yellow, dom., tech., bbl. .lb. 1.39 - —
USP, fib. dms., 50 lbs. or more. .lb. 1.91 - —
Mercury and chalk, ctns., 5 lbs., lb. 1.22 - —
fib., dms., 25 lbs. .lb. 1.10 - 1.12
Mesityl oxide, cns., works. .lb. .25½ - .27½
dms., c.l., works. .lb. .21 - —
l.c.l., works .lb. .21¼ - —
tanks, works .lb. .20 - —
Metal leaf, pkgs. of 20 books (500 leaves), aluminum, 5½x5½ in. .pkg. 1.50 - 1.75
Composition, 5½x5½ in. .pkg. 1.70 - 1.80
Gold, XX deep, 3⅜x3⅜ in. .pkg. 14.25 -14.75
3¾x3¾ in. .pkg. 15.50 -16.50
4x4 in. .pkg. 18.50 -19.00
3¾x5⅞ in. .pkg. 21.50 -22.00
3⅞x5⅞ in. .pkg. 23.50 -24.00
Silver, 3⅜x3⅜ in. .pkg. 2.25 - 2.35
Metanitroanilin, kgs. .lb. .67 Nom.
Metanitroparatoluidin, bbls. .lb. 1.45 - —
Metaphenylenediamine, kgs. .lb. .80 - —
Metatoluylenedaimine, kgs. .lb. .65 - —
Methanol, denat. grade, dms., c.l., frt. alld., E. of Rockies. .gal. .38 - —
tanks, frt. alld., E. of Rockies—gal. .32 - —
Methanol, denat., grade, prices on Pacific Coast are 4c. per gal higher.
pure, nat'l or synth., dms., c.l., Zone 1, frt. all. .gal. .38 - —
2, frt. alld. .gal. .41 - —
3, frt. alld. .gal. .42 - —
4, frt. alld. .gal. .44 - —
l.c.l., Zone 1, frt. alld. or dlvd. .gal. .40½ - —
2, frt. alld. or dlvd. .gal. .47 - —
3, frt. alld. or dlvd. .gal. .44½ - —
4, frt. alld. or dlvd. .gal. .50 - —
tanks, Zone 1, frt. alld. .gal. .33 - —
2, frt. alld. .gal. .35½ - —
3, frt. alld. .gal. .36½ - —
4, frt. alld. .gal. .37 - —
95%, 2c. less than pure, all zones, frt. alld.
97%, 1c. less than pure, all zones, frt. alld.
Methanol sales zones are:—Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., Tenn., Vt., Va., W. Va., Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo.; Zone 3, Los Angeles, Cal., San Francisco, Cal., Portland, Ore., and Seattle, Wash.; Zone 4, Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.
Methyl acetate, 99%, dms., c.l.; frt. alld. E. of Rockies. .lb. .16 - —
W. of Rockies. .lb. .16½ - —
l.c.l., frt. alld. E. of Rockies. .lb. .17 - —
W. of Rockies. .lb. .17½ - —
82%, dms., c.l., frt. alld. E. of Rockies. .lb. .13 - —
W. of Rockies. .lb. .13½ - —
l.c.l., frt. alld. E. of Rockies. .lb. .14 - —
W. of Rockies. .lb. .14½ - —
Acetoacetate, dms., c.l., works, frt. alld. .lb. .29¼ - —
Methyl acetone, nat., dms., c.l., contracts, Zone 1. .gal. .34½ - —
2. .gal. .37½ - —
3. .gal. .38½ - —
4. .lb. .40½ - —
tanks, contracts, Zone 1. .gal. .28½ - —
2 .gal. .31 - —
3 .gal. .32 - —
4 .gal. .32½ - —
Methyl acetone, natural, prices are quoted for direct shipment from refinery f.o.b. shipping point, freight allowed to destination; barrell packing, 2½c. per gal. more, in all brackets. The sale zones are: Zone 1, Conn., Del., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Penn., R. I., Tenn., Vt., Va., W. Va., Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C., S. D., Tex., Wyo.; Zone 3, Los Angeles, Cal., San Francisco, Cal., Portland, Ore., and Seattle, Wash.; Zone 4, Ariz., Cal., N. Mex., Mont., Nev., Idaho, Ore., Utah, Wash.
Acetone, synthetic, dms., c.l., Zone 1, frt. alld. E. of Rockies. .gal. .42 - —
2, frt. alld. E. of Rockies. gal. .45 - —
3, Pacific coast. .gal. .46 - —
l.c.l., Zone 1, frt. alld. E of Rockies. .gal. .44½ - —
l.c.l., Zone 2, frt. alld. E. of Rockies. .gal. .51 - —
3, Pacific Cst. .gal. .48½ - —
tanks, Zone 1, frt. alld. E. of Rockies. .gal. .36 - —
2, frt. alld. E. of Rockies. gal. .38½ - —
3, Pacific Coast. .gal. .39½ - —
Methyl acetone, synthetic, sales zones are:—Zone 1, Conn., Dela., D. C., Ill., Ind., Iowa, Ky., Me., Md., Mass., Mich., Minn., Mo., N. H., N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., West Va. and Wis.; Zone 2, Ala., Ark., Col., Fla., Ga., Kans., La., Miss., Neb., N. D., Okla., S. C. and S. D.; Zone 3, Pacific Coast.
Methyl Alcohol (see Methanol).
Anthranilate, bots. .lb. 1.95 - 2.05
Benzoate, cns, 25 lbs. .lb. .70 - 1.00
Chloride, refrigeration, 500 lb. and up, machine mfrs. and jobbers, cylinders. .lb. .32 - —
service men and consumers, cyl. .lb. .36 - —
60 to 499 lbs, cyl., mach. mfrs. and jobbers. .lb. .36 - —
service men and consumers, cyl. .lb. .40 - —
tanks, multi-unit, mach. mfrs. and jobbers. .lb. .31 - —
service men and consumers, lb. .35 - —
Methyl chloride prices are spot or contract, effective July 1, for delivery to any common carrier point in United States. Prices above are in 60, 90 and 180 lbs. cylinders. Prices on the 20-lb. cylinders are uniformly 10c. per pound higher than above prices.
Cinnamate, bots. .lb. 3.00 - 3.75
Formate, dms. .lb. .35 - .36
Iodide, bots., jars. .lb. 5.80 - 5.85
Salicylate, dms. .lb. .40 - .45
tins .lb. .42 - .45
Violet toner, bbls. (500 lbs.). .lb. .40 - —
smaller lots. .lb. .42 - —
permanent, bbls. .lb. .60 - —
Methylbutyl ketone, dms., c.l., frt. pd. E. of Rocky Mts. .lb. .11½ - —
l.c.l., same terms .lb. .12 - —
tanks, same terms .lb. .10¼ - —
Methylene blue, medicl., kgs., 100 lbs. .lb. 2.00 - —
cns., 5 lbs. .lb. 2.35 - —
Chloride, dms., f.o.b. works. .lb. .18 - .22
Methylheptenone, bots. .lb. 2.50 - 3.00
Methylhextin carbonate, bots. .lb. 27.50 -44.00
Methylhexyl ketone, dms., tech., wks. .lb. .60 - —
Methylisobutyl ketone, dms., c.l. wks. .gal. .76 - —
l.c.l. wks. .gal. .80 - —
tanks, wks. .gal. .70 - —
Methylnaphtyl ketone, cryst., bots. .lb. 2.10 - 2.25
Methylpropyl carbinol (see Carbinol).
Ketone, dms., c.l. .lb. .16 - —
l.c.l. .lb. .20 - —
tanks .lb. .15 - —
Metronite pigment, 120 mesh, containers, extra, c.l., f.o.b. Milwaukee. .ton. 9.00 - —
l.c.l., same basis. .ton. 11.00 - —
180 mesh, containers extra, c.l., same basis. .ton. 11.00 - —
l.c.l., same basis. .ton. 13.00 - —
250 mesh, containers, extra, c.l., same basis. .ton. 13.00 - —
l.c.l., same basis. .ton. 15.00 - —
325 mesh, containers extra, c.l., same basis. .ton. 18.00 - —
l.c.l., same basis. .ton. 20.00 - —
Mica, dry-grd., plastic, No. 100, 40 mesh, bgs., c.l., works. .ton. 35.00 - —
l.c.l. works. .ton. 43.75 - —
second grade, bgs., c.l., works. .ton. 38.00 - —
l.c.l., works. .ton. 41.25 - —
250, 100 mesh, bgs., c.l., works. .ton. 40.00 -50.00
l.c.l., works. .ton. 50.00 -60.00
second grade, bgs., c.l., works. .ton. 23.90 -30.00
l.c.l., works. .ton. 29.90 -47.50
300, 140 mesh, bgs., c.l., works. .ton. 50.00 - —
l.c.l., works. .ton. 62.50 - —
roofing, bgs., c.l., works. .ton. 28.50 -30.00
l.c.l., works. .ton. 30.00 -37.50
wet-ground, paint, oil or lacquer, bgs., c.l., dlvd. E. .lb. .04¼ - —
l.c.l., works. .lb. .04½ - —
water, bgs., c.l., dlvd. E. .lb. .04 - —
l.c.l., works. .lb. .04 - —
paper, wall or coated bgs., c.l., frt. alld., E. .lb. .03¾ - —
l.c.l., 2,000 lbs., frt. all., E. .lb. .04¼ - —
smaller lots, frt. alld., E. .lb. .04¾ - —
rubber, bgs., c.l., frt. alld. E. lb. .03½ - —
l.c.l., 2,000 lbs., ft., alld., E. .lb. .04 - —
smaller lots, frt. alld., E. .lb. .04½ - —
wet-ground mica prices are ½c. per pound higher on Pacific coast.
Milk powder, skimmed, roller, bbls., c.l. .lb. .07½ - —
l.c.l. .lb. .08½ - —
spray, bbls., c.l. .lb. .08½ - —
l.c.l. .lb. .09½ - —
unskimmed, roller, bbls., c.l. .lb. .17 - —
l.c.l. .lb. .17½ - —
spray, bbls., c.l. .lb. .17 - —
l.c.l. .lb. .17¼ - —
Millet seed, bgs. .lb. .02½ - .03
hulled, bgs. .lb. .06½ - .07
Mineral spirits (see Petroleum thinner and V M & P. naphtha).
Molasses, blackstrap, tanks. .gal. .07 - —
New Orleans. .gal. .06½ - —
Molybdate orange (see Orange, molybdate).
Molybdenum metal, kgs., 99% powd. .lb. No prices
Monoamylamine, dms., c.l., wks. lb. .52 - —
l.c.l., works. .lb. .55 - —
Monobutylamine, dms., l.c.l., works. .lb. .65 - —
Monochlorobenzene, dms. .lb. .06 - .06½
Monoethanolamine, dms., c.l., works. .lb. .26 - —
l.c.l., dms .lb. .27 - —
tanks .lb. .25 - —
Monoethylanilin, dms. .lb. .77 Nom.
Monomethylpara-aminophenol sulphate, dms. .lb. 3.75 - 4.00
Morphine, bots., 5 ozs. .oz. 11.10 - —
cns., 25 ozs. .oz. 10.90 - —
Acetate, bots., 5 ozs. .oz. 9.00 - —
cns., 25 ozs. .oz. 8.80 - —
Ethylhydrochloride, bots., 5 ozs., oz. 10.75 - —
cns., 25 ozs. .oz. 10.55 - —
Hydrobromide, bots., 5 ozs. .oz. 8.95 - —
cns., 25 ozs. .oz. 8.75 - —
Sulphate, bots., 5 ozs. .oz. 9.00 - —
cns., 25 ozs. .oz. 8.80 - —
Mullein flowers, cns. .lb. .85 - .90
Leaves, bls. .lb. .07 - .08
Musk, nat., Tonquin, grained, bots. .oz. 21.00 -22.00
pods, caddies, 20 ozs. .oz. 19.00 -21.00
synth., ambrette, cns., 100 lbs. or more. .lb. 3.90 - —
5 lbs. to 75 lbs. .lb. 4.20 - —
1 lb. .lb. 4.35 - —
Ketone, cns., 100 lbs. or more, lb. 4.05 - —
5 lbs. to 75 lbs. .lb. 4.35 - —
1 lb. .lb. 4.50 - —
Xylol, cns., 100 lbs. or more lb. 1.15 - —
5 lbs. to 75 lbs. .lb. 1.25 - —
1 lb. .lb. 1.40 - —
Musk root, bls. .lb. .16 - .17

Mustard seed, Bombay, brown, bgs.	lb.	.06½-	.06¾
California, brown, bgs.	lb.	.07½-	.07¾
yellow, bgs.	lb.	No stocks.	
Chinese, yellow, bgs.	lb.	.05¾-	.06¼
Danish, yellow, bgs.	lb.	.07¾-	.08¼
Dutch, yellow, bgs.	lb.	.08 -	.08½
English, yellow, bgs.	lb.	.08½-	.08¾
Hungarian, yellow, bgs.	lb.	.07¾-	.07¾
Roumanian, yellow, bgs.	lb.	.05¾-	.06¼
Myrobalans, J1, bgs., shipt.	ton.	30.00 -	—
J, bgs., shipt.	ton.	22.50 -	—
R2, bgs., shipt.	ton.	22.00 -	—
Extract, liquid, 25%, bbls.	lb.	.04¼-	.05¼

N

Naphtha, Painters' (see Petroleum naphtha, V. M. & P.).			
Solvent (see S).			
Naphthalene, crude, dom., 74 deg., bgs., c.l., works	100 lbs.	2.60 -	—
bbls., works	100 lbs.	2.85 -	—
l.c.l., bgs., works	100 lbs.	2.85 -	—
bbls., works	100 lbs.	3.10 -	—
78 deg., bgs., c.l., works	100 lbs.	3.10 -	—
bbls., works	100 lbs.	3.35 -	—
l.c.l., bgs, works	100 lbs.	3.35 -	—
bbls., works	100 lbs.	3.60 -	—
import, bgs., Atl. ports	100 lbs.	2.20 -	2.25
refined, balls or flakes, bbls., wholesalers and jobbers, f.o.b. works	lb.	.07¼-	—
jobbers, cs., same basis	lb.	.07½-	—
pkgs. (16 oz.), same basis,	lb.	.08 -	—
(12 oz.) same basis	pkg.	.06¼-	—
chipped, crushed, bbls., same basis	lb.	.06¼-	—
rice, cryst., powd., bbls., same basis	lb.	.07¼-	—
Nerolin, cryst., cns.	lb.	1.25 -	1.35
Nickel carbonate, bbls.	lb.	.36 -	.37½
Chloride, bbls.	lb.	.18 -	.20
Oxide, black, bbls.	lb.	.35 -	.38
Salt, double, bbls.	lb.	.13 -	.13¼
single, bbls.	lb.	.13 -	.13¼
Nicotine sulphate, 40%, dms., works, frt. alld.	lb.	.76 -	—
10-lb. tins	lb.	.86½-	—
Nitercake, bulk, works	ton.	16.00 -	—
Nitrobenzene, dbl. dist., dms.,	lb.	.08 -	—
l.c.l.	lb.	.09 -	—
tanks	lb.	.07½-	—
Nitrocellulose, alcohol-soluble, ½, and 40, sec. vis., bbls., works	lb.	.28 -	—
bronzing, 20, 40, 70 sec. vis., bbls., works	lb.	.29 -	—
ester-soluble, ¼, ½, 5-6, 15-20 sec., bbls., c.l., dry weight, works	lb.	.22 -	—
l.c.l., ¼, ½, 5-6, 15-20 and higher vis., bbls.	lb.	.36 -	—
Nitrocellulose lacquer, 20-30 and 60-80 sec. vis., bbls., works	lb.	.29 -	—
Nitrocellulose prices are quoted on the basis of dry weight; denatured alcohol used in manufacture is charged extra. Barrels are to be paid for extra, but are returnable.			
Nitrogen solution, 45½% ammon., tanks, f.o.b. Atlantic and Gulf ports	unit-ton.	1.04 -	—
Nitrogenous fertilizer material, 8-11% ammon., dom., bulk, f.o.b. Carrollville, Wis., divd	unit-ton.	2.30 -	—
Chemical, Ill.	unit-ton.	2.25 -	—
East Coast producing points	unit-ton.	2.70-2.80	Nom.
import., bgs., c.l.f. Atlantic ports, ship.	unit-ton.	2.70 -	—
Nitronaphthalene, bbls.	lb.	.24 -	.25
Nitrotoluene, mixed, dms.	lb.	.10½-	.11
Nutgalls, Aleppo, bgs., cs.	lb.	No prices	
Chinese, shipmt., cs.	lb.	No prices	
Extract (see Gall extract).			
Nutmegs, 80s, bgs., cs.	lb.	.19½-	.19¾
110s, bgs., cs.	lb.	.17 -	.17½
West Indian,, bgs.	lb.	.13 -	.13½
Nux vomica, bls.	lb.	.06 -	.07
powd., bbls., bxs.	lb.	.06½-	.07

O

Oakbark extract, 25% tan., bbls., c.l., works	lb.	.03½-	—
l.c.l., bbls., works	lb.	.03¾-	—
Ocher (see Yellow).			
Octanes, 100-140° C., mixed, dms., c.l., G.3.	gal.	.13 -	—
l.c.l., G.3.	gal.	.15 -	—
tanks, G.3.	gal.	.10½-	—
Octyl acetate, dms., c.l., works	lb.	.16 -	—
l.c.l., works	lb.	.17 -	—
tanks, works	lb.	.15 -	—
Oil, almond, bitter, artif. (see Benzaldehyde).			
natural, bots.	lb.	2.25 -	2.75
s.p.a., bots.	lb.	2.00 -	2.50
sweet, true, exp., cns.	lb.	.63 -	.65
Amber, crude, cns.	lb.	.16 -	.17
ref'd, cns.	lb.	.52 -	.53
Amyris, cns.	lb.	3.00 -	3.25
Angelica root, bots.	lb.	64.00 -	75.00
Seed, bots.	lb.	70.00 -	80.00
Anilin (see A).			
Anise, USP, cns., dms.	lb.	1.30	Nom.
Apricot kernel, cns.	lb.	.30 -	.31
Babassu, tanks, futures	lb.	.07¼-	.07½
Bay, W. I., cns.	lb.	1.35 -	1.50
Bergamot, artif., cns.	lb.	1.25 -	1.30
natural, coppers	lb.	3.90 -	4.10
Betula (see Oil, sweet birch).			
Birch (see Oil, sweet birch).			
Birch tar, crude, dms.	lb.	.14 -	.17
rectif'd., cns.	lb.	.70 -	.75
Bois de rose, Brazil, cans.	lb.	1.25 -	1.35
Cayenne, cns.	lb.	2.75 -	3.00
Cade, USP IX (see Oil, juniper tar).			
Cajeput, tech., dms.	lb.	.55 -	.60
USP IX, cns.	lb.	.66 -	.72
Calamus, cns.	lb.	5.50 -	5.75
Camphor, sassafrassy, cns.	lb.	.20 -	.21
dms.	lb.	.17 -	.18
white, cns.	lb.	.20 -	.21
dms.	lb.	.17 -	.18
Cananga, native, cns.	lb.	1.50 -	1.63
rectified, cns.	lb.	2.15 -	2.75
Capsicum (oleoresin), USP VIII, cns.	lb.	2.00 -	2.25
Caraway, USP, cns.	lb.	2.10 -	2.25
Cardamom, bots.	lb.	20.00 -	38.00
Cassia, USP, cns, dms.	lb.	1.25	Nom.
Castor, blown, one-way dms., c.l.	lb.	.12¼-	—
l.c.l.	lb.	.13 -	—
medicinal, bbls., c.l.	lb.	.10¾-	—
l.c.l.	lb.	.11½-	—
cns. (1-gal), l.c.l.	lb.	.14½-	—
dms. (returnable), c.l.	lb.	.10¼-	—
l.c.l.	lb.	.11¼-	—
(5-gal.), l.c.l.	lb.	.12½-	—
tanks	lb.	.10 -	—
Oil, castor, No. 3, bbls., c.l.	lb.	.10¼-	—
l.c.l.	lb.	.11 -	—
dms. (returnable), c.l.	lb.	.10 -	—
l.c.l.	lb.	.10¾-	—
tanks	lb.	.09½-	—
Castor oil, med. and No. 3, prices are divd. all points between N. Y. and Philadelphia, Albany, and N. E. States; Chicago c.l. prices ¾c. higher than N. Y.; l.c.l. prices ¾c. higher than N. Y.; one-way dms., ¼c. higher, all points.			
sulphonated, 50% (43% fat), dms., c.l.	lb.	.08 -	—
l.c.l.	lb.	.08½-	—
75% (63% fat), dms., c.l.	lb.	.11½-	—
l.c.l	lb.	.12 -	—
80% (68% fat), dms., c.l.	lb.	.12½-	—
l.c.l.	lb.	.13 -	—
Cedarleaf, cns.	lb.	.85 -	1.15
dms.	lb.	.80 -	1.10
Cedarwood, Oregon, cns., dms.,	lb.	.28 -	.30
Southern, cns., dms.	lb.	.24 -	.26
Celery, bots.	lb.	10.50 -	12.50
Chaulmoogra, USP, cns., 500 lbs.	lb.	.90 -	—
25 lbs.	lb.	1.00 -	—
Chinawood, dms., Atlantic Cst.	lb.	.14½	Nom.
tanks	lb.	.14½	Nom.
Cinnamon, Ceylon, bots.	lb.	8.00 -	22.00
Seychelle, bots.	lb.	6.50 -	7.50
Citronella, Ceylon, cns.	lb.	.42 -	.44
dms.	lb.	.40 -	.42
Java, dms.	lb.	.45 -	.48
Clove, makers, USP, cns.	lb.	1.12 -	—
dms.	lb.	1.10 -	—
Coconut, Manila, crude, Nov.-Dec., tanks.	lb.	.04 -	—
Pac. Cst.	lb.	.03⅞	Nom.
edible, 76°, tax incl., dms., (returnable), c.l.	lb.	.09½	—
l.c.l.	lb.	.10 -	—
tanks	lb.	.09 -	—
Oil, cod, Newfoundland, tanked, bbls.	gal.	.52	Nom.
Norwegian, shipt., bbls.	gal.	.38 -	.39
Codliver, med., USP, Norwegian, bbls.	bbl.	27.50	-28.50
Coriander, bots.	bots.	23.00	-24.00
Corn, crude, tanks, works	lb.	.06½	-Nom.
refd., bbls.	lb.	.09½-	.10
Cottonseed, dom., cooking, bbls.,	lb.	.08¾-	—
salad, bbls.	lb.	.08¾-	—
import., Brazilian, semi-refd.	dms.	.05	Nom.
British, semi-refd., dms.	lb.	.05¾	Nom.
Creosote (see C).			
Croton, USP, cns.	lb.	1.30 -	1.35
Cubeb, USP, cns.	lb.	2.85 -	3.10
Crude (see Petroleum, crude).			
Cumin, bots.	lb.	8.00 -	9.00
Cypress, dom., bots.	lb.	5.25 -	5.30
import., cns.	lb.	12.00 -	12.25
Degras (see D)			
Diesel, Bayonne, bulk	bbl.	2.20 -	—
California, 27 plus, bulk.	bbl.	1.00 -	1.25
Dill seed, bots.	lb.	3.00 -	3.75
Weed, bots.	lb.	3.85 -	4.10
Dip (See D):—			
Erigeron, cns.	lb.	2.40 -	2.50
Eucalyptus, cns.	lb.	.44 -	.46
dms.	lb.	.42 -	.44
Fennel, sweet, cns.	lb.	1.20 -	1.30
Fuel, bunker, California, tide-water.	bbl.	1.05 -	1.20
Gulf Coast	bbl.	.95 -	1.00
Louisiana - Arkansas, 10-14,	bbl.	.80 -	.85
N. Y. and N. J. terminals:—			
Monday	bbl.	1.25 -	—
Tuesday	bbl.	1.25 -	—
Wednesday	bbl.	1.25 -	—
Thursday	bbl.	1.25 -	—
Friday	bbl.	1.25 -	—
Saturday	bbl.	1.25 -	—
North Texas, 18-22	bbl.	.80 -	.85
24-28, zero cold test	bbl.	.95 -	1.05

Mustard—Oil, Juniper Tar

Oil, fuel, Oklahoma, 18-22	bbl.	.85 -	.90
24-28, zero cold test	bbl.	1.07½-	1.12½
24-28, 15 and above	bbl.	.90 -	.95
Pennsylvania, 36-40	gal.	.04½-	.04¾
Furnace, Bayonne, 1, bulk, refinery	gal.	.05½-	—
2, bulk, same basis	gal.	.05½-	—
3, bulk, same basis	gal.	.05 -	—
4, bulk, same basis	gal.	.04¾-	—
Louisiana - Arkansas, 32 - 36, light straw.	gal.	.03¾-	.04
Oklahoma, 28-30	gal.	.03¼-	.03½
32-36	gal.	.03½-	.03¾
36-38	gal.	.03¾-	.03¾
38-40, straw.	gal.	.03¾-	.04
38-40 zero, 60 e.p.	gal.	.03¾-	.04
Fusel (see F).			
Gas, Bayonne, bulk	gal.	.04¾-	—
Gulf Coast, bulk	gal.	.03¾-	—
North Texas, bulk	gal.	.03 -	—
Oklahoma, bulk	gal.	.03½-	—
Gaultheria (see Oil, wintergreen leaf).			
Geranium, Algerian, rose, cns.	lb.	4.00 -	4.75
Bourbon, cns.	lb.	3.75 -	4.25
Turkish (see Palmarosa).			
Grapefruit, cns.	lb.	2.00 -	2.25
Ginger, dist., bots.	lb.	7.75 -	8.00
Guaiac wood, concrete, bots.	lb.	3.10 -	3.15
Haarlem, import, bots.	gross.	3.25 -	3.35
Halibut-liver, dms	1,000 A unit-gal.	.75 -	1.00
Hemlock, cns.	lb.	1.05 -	1.10
Juniper berry, USP, cns.	lb.	1.20 -	1.75
Wood, tech., cns.	lb.	.45 -	—
Juniper tar, U.S.P.XI, 1,000 lb. dms.	lb.	.40 -	.45
cns.	lb.	.45 -	.50

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Whether you need a small 200-barrel tank or a big 80,000-barrel tank.

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Carteret, N. J.

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OFFICE
135 South LaSalle Street
Chicago

A division of General American Transportation Corporation

Oil, Lard—Petro. Lacq. Dil.

Oil, lard, common, 1, bbls	lb.	.08¾-	—
2, bbls	lb.	.08½-	—
extra, bbls	lb.	.11¼-	—
1, bbls	lb.	.09¼-	—
winter, strained, extra bbls	lb.	.11½-	—
prime burning, bbls	lb.	.12¾-	—
prime, ed., bbls	lb.	.14 -	—
ined., bbls	lb.	.11¾-	—
Laurel, bots	lb.	6.50 -	6.75
Lavandin, cns., 25 lbs	lb.	2.25 -	—
Lavender flower, French, USP, 50% ester, cns	lb.	5.50 -	5.60
USP, 38-42% ester, cns	lb.	4.80 -	4.90
XI, 35% ester, cns	lb.	4.00 -	4.50
XI, 30% ester, cns	lb.	2.80 -	3.00
IX, 30% ester, cns	lb.	2.65 -	2.75
VIII, 30% ester, cns	lb.	2.25 -	2.35
garden, cns	lb.	.42 -	.45
Spike, Spanish, tech., cns	lb.	1.05 -	1.10
dms	lb.	.95 -	1.10
Lemon, Calif., cns	lb.	2.50 -	—
Messina, coppers, cns	lb.	2.35 -	2.75
Lemongrass, native, cns., dms.	lb.	.42 -	.43
Lime, dist., cans	lb.	5.40 -	6.00
expressed, cans	lb.	8.75 -	9.25
Linaloe wood, cns	lb.	1.30 -	1.40
Linseed, boiled, bbls., c.l.	lb.	.1080-	—
l.c.l., 5 or more	lb.	.1120-	—
less than 5	lb.	.1160-	.1180
tanks	lb.	.1020-	—
double boiled, bbls., less than 5	lbs.	.1180-	.1200
raw, bbls., c.l.	lb.	.1040-	—
l.c.l., 5 or more	lb.	.1080-	—
less than 5	lb.	.1120-	—
tanks	lb.	.0980-	—
Lovage, bots	lb.	41.25	-42.00
Lubricating, at refinery (including U.S. tax 4c. per gal.):—			
California, green, 70, 80, 100, vis., dms.	gal.	.20 -	—
140 vis., dms.	gal.	.25 -	—
green, pale, 750, 900 vis., dms.	gal.	.26 -	—
green, pale, red, 200, 300, 350, 400, 450, 500, 600, 700 vis., dms.	gal.	.26 -	—
Oklahoma, bright stocks, 100-110 D, color 4, 0-10 pour, tanks	gal.	.19½-	—
15-25 pour, tanks	gal.	.18½-	—
150-160 D, color 4½, 0-10 pour, tanks	gal.	.21 -	—
15-25 pour, tanks	gal.	.20 -	—
150-160 E, color 5½, 15-25 pour, tanks	gal.	.19½-	—
190-200 D, color 4½, 15-25 pour, tanks	gal.	.24 -	—
200-210 E, 15-25 pour, tanks	gal.	.25 -	—
neutrals, 0-10 pour, 150 vis., 3 color, tanks	gal.	.13 -	—
160 vis., 3 color, tanks	gal.	.14 -	—
4 color, tanks	gal.	.13½-	—
200 vis., 3 color, tanks	gal.	.14½-	—
4 color, tanks	gal.	.14 -	—
250 vis., 3 color, tanks	gal.	.15½-	—
4 color, tanks	gal.	.15 -	—
280 vis., 3 color, tanks	gal.	.16½-	—
4 color, tanks	gal.	.16 -	—
300 vis., 3½ color, tanks	gal.	.17 -	—
350 vis., same basis	gal.	.17½-	—
400 vis., same basis	gal.	.18 -	—
500 vis., same basis	gal.	.18½-	—
600 vis., same basis	gal.	.19 -	—
15-25 pour prices are ¼c. per gallon higher than zero to 10° pour			
Penn., bright, 600 cold test, 10-40 pour, tanks	gal.	.20 -	—
10-15 pour, tanks	gal.	.21 -	—
cylinder, 600 fire, tanks	gal.	.14¼-	—
600 flash, tanks	gal.	.18 -	—
620 flash, tanks	gal.	.21 -	—
635 fire, tanks	gal.	.15½-	—
650 fire, tanks	gal.	.17 -	—
Warren, E, amber, tanks	gal.	.18 -	—
neutral, 150 vis., 3 color, tanks	gal.	.24 -	—
180 vis.,3 color,tanks	gal.	.26 -	—
200 vis.,2 color,tanks	gal.	.28½-	—
spot, Penna., bright, bbls., cl., f.a.s.	gal.	.32 -	—
unfiltered, 600 s.r.	bbls. f.a.s.	.24½-	—
600 flash, s.r., bbls., c.l.,	gal.	.28 -	—
650 s.r., bbls., c.l., f.a.s.	gal.	.28 -	—
Warren, E. bbls., c.l.,f.a.s.	gal.	.27 -	—
smaller lots, f.o.b.	gal.	.29 -	—
Mace, dist., cns., dms	lb.	1.25 -	1.30
Mandarin, superior, coppers	lb.	7.50 -	7.75
Menhaden, crude, tanks, f.o.b. Balto	gal.	.34	Nom.
refd., alkali, dms	lb.	.0800-	.0820
tanks	lb.	.0740-	—
blown, dms	lb.	.0800-	.0820
kettle-boiled, dms	lb.	.0900-	.0920
light pressed, dms	lb.	.0740-	.0760
tanks	lb.	.0670-	—
Mineral, white (see Oil, white mineral)			
Mustard, artif., USP, cns	lb.	1.90 -	2.00
dist., natural, bots	lb.	8.50 -	9.00
expressed, bbls	lb.	.90 -	.95
Neatsfoot, cold test, bbls	lb.	.17¼-	—
extra, bbls	lb.	.09¾-	—
1, bbls	lb.	.09¼-	—
pure, bbls	lb.	.12¾-	—
prime, bbls	lb.	.11¼-	—
sulphonated, common, 25% moisture, dms	lb.	.10½-	—
Neroli, bots	lb.	115.00	-140.00
Nutmeg, USP, cns., dms	lb.	1.25 -	1.30
Oiticica, dms	lb.	.14	Nom.
Oleo, 1, bbls	lb.	.12½-	—
2, bbls	lb.	.12 -	—
Olibanum, bots	lb.	5.00 -	5.25
Olive, denat., bbls	gal.	1.20	Nom.
edible, bbls	gal.	2.35	Nom.
foots, bbls	lb.	.09¾-	.10
sulphonated, 50% (43% fat), dms., c.l.	lb.	.12 -	—
l.c.l.	lb.	.12½-	—
75% (63% fat), dms., c.l.	lb.	.15½-	—
l.c.l.	lb.	.16 -	—
80% (68% fat), dms., c.l.	lb.	.16½-	—
l.c.l.	lb.	.17 -	—
Orange, sweet, dist., cs	lb.	.90 -	—
expressed, African, cns., dms.	lb.	1.50 -	1.55
Calif., cns	lb.	2.00 -	2.50
Florida, cns	lb.	2.25 -	—
Messina, USP, coppers	lb.	2.20 -	2.75
West India, cns	lb.	1.95 -	2.00
Origanum, Spanish, cns	lb.	.90 -	1.60
Orris, Florentine, concrete, extra strong, bots	oz.	5.25 -	5.50
Palm, Niger, cks	lb.	.04	Nom.
shipment	lb.	.0360	Nom.
softs, 12¼%, bulk shipt	lb.	.0370	Nom.
20%, bulk, shipt	lb.	.0350	Nom.
Sumatra, shipment, bulk	lb.	.0375	Nom.
Palmarosa, cns	lb.	2.40 -	2.60
Palmkernel, bulk, shipt	lb.	.04½	Nom.
Oil, paraffin, 320° flash, 60-70 vis., tanks, G. 3.	gal.	.05¼-	—
330° flash, 70-80 vis., tanks, G. 3.	gal.	.05½-	—
80-85 vis., bbls., extra, Ind. refy.	gal.	.12 -	—
350° flash, 100-105 vis., bbls. extra, Ind. refy.	gal.	.14 -	—
360° flash, 100-110 vis., tanks, G. 3.	gal.	.05¾-	—
Patchouli, bots., cns	lb.	5.00 -	8.50
Peanut, crude, dom., tanks, works.	lb.	.06⅞	Nom.
refd., edible, bbls	lb.	.10¼	Nom.
Pennyroyal, dom., cns	lb.	1.40 -	1.45
import, cns	lb.	1.40 -	1.50
Peppermint, natural, cns., dms.	lb.	2.25 -	2.50
redist., USP, cns., dms	lb.	2.50 -	2.75
Perilla, dms	lb.	.12 -	.12¼
tanks	lb.	.11½-	—
Petitgrain, Paraguay, cns	lb.	1.10 -	1.25
Pimento berry, cns	lb.	3.65 -	7.50
leaf, cns	lb.	2.40 -	2.50
Pine, dest.-dist., straw-color, dms., divd., E. ports	gal.	.52 -	.55
steam-dist., dms	gal.	.69 -	—
tanks	gal.	.64 -	—
Pineneedle, Siberian, cns	lb.	1.02 -	1.05
Putty, bbls., El Segundo, Richmond, Cal.	gal.	.22½-	—
contracts	gal.	.19¼-	—
Whiting, Ind	gal.	.28 -	—
dms., c.l., Bost., Provid.	gal.	.25 -	—
l.c.l., same basis	gal.	.27 -	—
tanks, same basis	gal.	.18 -	—
Martinez, Cal	gal.	.28 -	—
Rapeseed, blown, bbls	lb.	.14½-	.14⅝
denat., bbls	gal.	.91 -	.92
Red, dist. or saponif., bbls. divd.	lb.	.09⅝-	.10⅝
dms., divd	lb.	.09½-	.10½
tanks, divd	lb.	.08¾-	.09¾
white, dms	lb.	.12¼-	.13
Rose, artif., bots	oz.	2.00 -	8.00
natural, coppers	oz.	5.25 -	22.50
Rosemary, Spanish, cns	lb.	.56 -	.75
dms.,	lb.	.51	Nom.
Rosin, 1st, rectfd., dms	gal.	.54 -	.56
2d rectfd., dms	gal.	.56 -	.58
3d rectfd., dms	gal.	.60 -	.62
Rue, bots	lb.	2.15 -	2.20
Sage, cns	lb.	1.50 -	1.55
Sandalwood, Australia, cns	lb.	4.50 -	5.00
E.I., USP, cns	lb.	5.25 -	5.50
Sardine, crude, tanks, Pac. Cst.,	gal.	.37	Nom.
refd., alkali, dms	lb.	.0800-	.0820
tanks	lb.	.0740-	—
kettle-bodied, dms	lb.	.0900-	.0920
light, pressed, dms	lb.	.0740-	.0760
tanks	lb.	.0670-	—
Sassafras, artif., cns	lb.	.37 -	.38
dms	lb.	.34 -	.35
natural, cns., dms	lb.	.90 -	1.05
Savin, cns	lb.	1.50 -	1.60
Savory, cns	lb.	3.15 -	3.20
Sesame, dom., refd., white, dms.	lb.	.10½	Nom.
Shingle stain, bbls., c.l., works,	gal.	.18 -	—
l.c.l., works	gal.	.21 -	—
tanks, works	gal.	.14 -	—
Snakeroot, Canada, cns	lb.	10.00	-11.00
Soybean, dom., crude, dms	lb.	.0750-	.0860
tanks	lb.	.0700-	—
refd., dms	lb.	.0850-	.0900
tanks	lb.	.0800-	—
Spearmint, USP, cns	lb.	1.75 -	1.80
Sperm, bleach, 38°, dms	lb.	.1000-	.1020
45°, dms	lb.	.0930-	.0950
natural, dms	lb.	.0880-	.0900
Spruce, cans	lb.	1.05 -	1.10
Sweet birch, North, cns	lb.	3.25 -	3.50
South, cns	lb.	1.65 -	2.00
Tallow, acidless, bbls	lb.	.09¾-	—
tanks	lb.	.09¼-	—
Tansy, cns	lb.	4.00 -	4.25
Tar, com'l, dms., c.l., divd., E. cities	gal.	.26 -	—
E. ports	gal.	.25 -	—
l.c.l.	gal.	.26 -	—
tanks, divd. E. cities	gal.	.20 -	—
rectfd., USP, bbls., divd. E. ports	gal.	.50 -	—
Tar acid (see T).			
Teaseed, crude, dms	lb.	.09 -	.09¼
Tea Tree (see Oil, ti tree).			
Thyme, NF, red, dms	lb.	.69 -	1.50
white, dms	lb.	.78 -	1.70
Ti tree, cns	lb.	3.50 -	4.00
Tung (see Oil, chinawood).			
Turkey red (see Oil, castor, sulphonated).			
Turpentine (see T).			
Turtle, cns	gal.	4.25 -	5.00
Valerian, bots	lb.	12.00	-14.00
Vetiver, bots	lb.	6.00	-16.50
Walnut, crude, dms	lb.	.13 -	—
refd., dms	lb.	.14½-	—
Whale, refd., natural, dms	lb.	.0940-	.0960
winter, bleach, dms	lb.	.0980-	.1000
Wheat germ, cns., dms	gal.	27.50	-30.00
White, mineral, dom., tech., 50-60 vis., dms	gal.	.42 -	.44
65-75 vis., dms	gal.	.44 -	.46
80-90 vis., dms	gal.	.45 -	.47
USP, 80-90 vis., dms	gal.	.54 -	.56
95-105 vis., dms	gal.	.63 -	.65
125-135 vis., dms	gal.	.75½-	.77½
140-150 vis., dms	gal.	.76½-	.78½
175-185 vis., dms	gal.	.78½-	.80¼
200-210 vis., dms	gal.	.80 -	.82
320-330 vis., dms	gal.	.85½-	.87½
335-345 vis., dms	gal.	.87 -	.89
Russian, 80-90 vis., dms.,	gal.	.54 -	—
145-155 vis., dms	gal.	.74½-	—
175-185 vis., dms	gal.	.76½-	—
335-345 vis., dms	gal.	.83 -	—
Wintergreen, natural, North, cns.	lb.	4.00 -	8.00
South, cns	lb.	3.35 -	3.75
synth. (see Methyl salicylate).			
Wood (see Oil, chinawood).			
Wormseed, cns	lb.	2.50 -	2.60
Wormwood, cns	lb.	2.65 -	2.70
Ylang-ylang, Bourb., bots., cns.,	lb.	3.50 -	6.00
Manila, bots	lb.	18.00	-24.00
Opium, USP, cns	lb.	11.50	-12.50
gran., cns	lb.	12.50	-13.50
powd., cns	lb.	12.50	-13.50
Orange, Lake, Persian, bbls	lb.	.30 -	.45
Mineral, Amer., bbls., 5 tons, divd. Ala., Ark., Cal., Fla., Ga., La., Miss., Okla., Tex., and W. of Cascade Mts. in Ore. and Wash	lb.	.11 -	—
divd., Ariz., Idaho, Nev., Utah and E. of Cascade Mts. in Ore. and Wash	lb.	.11½-	—
Colo., Mont., N. M., Wyo.	lb.	.11¼-	—
Other points	lb.	.10¾-	—
smaller lots, divd. Ala., etc.	lb.	.11½-	—
Ariz., etc	lb.	.12 -	—
Colo., Mont., N. M., Wyo.	lb.	.11¼-	—
Other points	lb.	.11¼-	—
French, Tours, csks., ex dock,	lb.	.17 -	—
kgs., ex dock	lb.	.18½-	—
Molybdate, bbls	lb.	.31 -	—
Toner, bbls	lb.	.80 -	—
Orangeflower petals, cs	lb.	.35 -	.40
Orange peel, bitter, bls	lb.	.08 -	.09
Sweet, bls	lb.	.10 -	.11
Orris root, Florentine, bgs	lb.	.10 -	.11
fingers, cs	lb.	.90 -	.95
powd., bbls., bxs	lb.	.14 -	.15
Verona, bls	lb.	.09 -	.10
powd., bxs., cs	lb.	.13 -	.14
Orthoanisidin, bbls	lb.	.70 -	.74
Orthochloroanilin, dms	lb.	.60 -	.75
Orthochlorophenol, dms	lb.	.35 -	.75
Orthocresol, dms., c.l., works	lb.	.13½-	—
l.c.l., same basis	lb.	.14½-	—
Orthodichlorobenzene, dms., c.l., works, frt. alld. E. of Rockies	lb.	.06 -	—
l.c.l., dms., same basis	lb.	.07 -	—
100-lb. tins, same basis	lb.	.08 -	—
50-lb. tins, same basis	lb.	.09 -	—
tanks, same basis	lb.	.05½-	—
Orthodichlorobenzene prices west of Rockies 1c. per lb. higher.			
Orthonitroaniliz, dms	lb.	.55 -	—
Orthonitrochlorobenzene, kgs	lb.	.28 -	.29
Orthonitroparachlorophenol, cns	lb.	.70 -	.75
Orthonitrotoluene, dms	lb.	.07 -	—
Orthotoluene sulphonate, kgs	lb.	2.00 -	2.05
Orthotoluidin, dms	lb.	.14 -	—
Osage orange extract, cryst., bbls.,	lb.	.17 -	.19
liquid, 51°, bbls	lb.	.07 -	.08
Oxyquinolin sulphate, cns., 100-lbs., works	lb.	3.50 -	—
bots., cns., 1-50 lbs	lb.	3.65 -	4.00

P

Papain, powd., cs	lb.	2.25 -	2.50
Paprika, Hungarian, extra fancy, bgs	lb.	.21 -	.22
medium, bgs	lb.	.19½-	.20
Spanish, extra fancy, cs	lb.	.25½-	.26
fair, bgs	lb.	.21 -	.21½
fancy, bgs	lb.	.25 -	.25½
medium, bgs	lb.	.23 -	.24
Para-aminoacetanilide, kgs	lb.	.85	Nom.
Para-amylphenol, tertiary, dms., c.l., works	lb.	.26 -	—
Parachlorophenol, dms	lb.	.30 -	.45
Paracymene, refd., dms	gal.	.75 -	1.25
Paradichlorobenzene, dms., c.l.	lb.	.11 -	.12
l.c.l., dms	lb.	.12½-	.14½
Paraffin, crude, scale, white, 122-124 A.m.p., bgs., c.l., Okla., refy.	lb.	.03 -	—
bbls., c.l., N. Y.	lb.	.0295-	—
124-126 A.m.p., bgs., c.l., Okla., refy.	lb.	.03½-	—
bbls., c.l., N. Y.	lb.	.03 -	—
yellow, 124-126 A.m.p., bbls., c.l., N. Y.	lb.	.02⅝	Nom.
fully refd., slabs, 123-125 A.m.p., bgs., c.l.	lb.	.0445-	—
export, f.a.s., N. Y.	lb.	.0465-	—
125-127 A.m.p., bgs., c.l.	lb.	.0455-	—
export, f.a.s., N. Y.	lb.	.04¾-	—
128-130 A.m.p., bgs., c.l.	lb.	.0480-	—
export, f.a.s., N. Y.	lb.	.05 -	—
130-132 A.m.p., bgs., c.l.	lb.	.0495-	—
export, f.a.s., N. Y.	lb.	.0515-	—
133-135 A.m.p., bgs., c.l.	lb.	.0555-	—
export, f.a.s., N. Y.	lb.	.05¾-	—
135-137 A.m.p., bgs., c.l.	lb.	.0580-	—
export, f.a.s., N. Y.	lb.	.06 -	—
138-140 A.m.p., bgs., c.l.	lb.	.0635-	—
143-145 A.m.p., bgs., c.l.	lb.	.0790-	—
refined paraffin prices in cases are ½c. lb. higher than bags price.			
match, A.m.p. up to and incl. 110-112 bbls., c.l.	lb.	.03¼-	—
semirfd., solid, 122-124 A.m.p., bgs.	lb.	.03¼	Nom.
Paraformaldehyde, dms., 1,000 lbs. or more shipments, f.o.b. Perth Amboy, Philadelphia, or N. Y. C.	lb.	.34 -	—
100 to 900 lbs. shipments, same basis	lb.	.35 -	—
Paraldehyde, tech., dms., wks.	lb.	.16 -	.18
USP, cbys	lb.	.37 -	.45
Paranitroanilin, kgs., c.l., works,	lb.	.45 -	—
l.c.l., works	lb.	.47 -	—
Paranitrochlorobenzene, kgs	lb.	.23¼-	.24
Paranitrophenol, kgs	lb.	.35 -	.37
Paranitrotoluene, kgs	lb.	.36 -	—
Paraphenylenediamine, bbls	lb.	1.25 -	1.30
Paratoluenesulphonamide, bbls	lb.	.70 -	.75
Paratoluidin, bbls	lb.	.56 -	—
Pareira brava root, bls	lb.	.15 -	.16
Paris green, dealer, dms., cans, f.o.b. works frt. all'd	lb.	.25½-	.27½
less car lot, same basis	lb.	.26½-	.28½
Passion flower herb, bls	lb.	.06½-	.07
Patchouli leaves, bls	lb.	.14 -	.15
Pellitory root, bls	lb.	.18 -	.20
Pennyroyal, bls	lb.	.14 -	.15
Pentane, norm., 28-38°, dms., c.l., G.3.	gal.	.12½-	—
l.c.l., G.3	gal.	.16 -	—
tanks, G.3	gal.	.08½-	—
laboratory grade, dms., c.l., G.3.	gal.	.16 -	—
l.c.l., G.3	gal.	.25 -	—
Pepper, black, Alleppy, bgs	lb.	.07¼-	.07½
Lampong, bgs	lb.	.05 -	.05¼
Tellicherry, bgs	lb.	.08¾-	.09
Red, birdseye, bgs	lb.	.15	Nom.
Japanese 1, bgs	lb.	.15 -	.15¼
Mombassa, bgs	lb.	.18 -	.18¼
White, Java, Muntok, bgs	lb.	.08¼-	.08½
Singapore, Muntok, bgs	lb.	.08 -	.08¼
Peppermint leaves, dom., bls	lb.	.32 -	.33
import, bls	lb.	.38 -	.40
Peru, balsam, dms	lb.	.84 -	.85
Petrolatum, amber, bbls., c.l.,	lb.	.02¾-	.03
l.c.l.	lb.	.04 -	.04¼
extra, bbls	lb.	.03¼-	.03¼
l.c.l.	lb.	.04¼-	.04½
cream (see white, cream)			
green (see red)			
red, veterinary, bbls., c.l.	lb.	.02¾-	.02⅞
l.c.l.	lb.	.03¾-	—
white, cream, bbls., c.l.	lb.	.05 -	.05¼
l.c.l.	lb.	.06⅝-	—
lily, bbls., c.l.	lb.	.06 -	.06¼
l.c.l.	lb.	.07⅝-	—
snow, bbls., c.l.	lb.	.07 -	.07¼
l.c.l.	lb.	.08⅝-	—
Petroleum, crude, bulk, at wells:—			
California:—			
Alamitos Heights	bbl.	.74 -	.95
Athens	bbl.	.84 -	1.06
Belridge	bbl.	.70 -	1.32
Buena Vista Hills	bbl.	.70 -	1.38
Coalinga	bbl.	.70 -	.90
Coyote Hills (West)	bbl.	.78 -	1.32
Dominguez	bbl.	.79 -	1.00
East Coyote	bbl.	.76 -	.96
Elk Hills	bbl.	.70 -	1.38
Elwood Terrace, f.o.b. ship.,	bbl.	1.28 -	1.43
El Segundo	bbl.	.80 -	1.21
Huntington Beach	bbl.	.78 -	1.22
Inglewood	bbl.	.79 -	1.27
Kern Front	bbl.	.70 -	—
Kern River	bbl.	.70 -	—
Kettleman Hills	bbl.	1.19 -	1.43
La Habra	bbl.	.76 -	.96
Lakeview	bbl.	.70 -	1.38
Lost Hills	bbl.	.70 -	1.32
McKittrick	bbl.	.70 -	—
Midway - Sunset (except Lakeview)	bbl.	.70 -	1.38
Montebello	bbl.	.77 -	1.43
Mt Poso	bbl.	.70 -	—
Mountain View	bbl.	.70 -	1.20
Newhall	bbl.	.70 -	—
Petroleum, crude, bulk, at wells—California:—			
Orcutt	bbl.	.70 -	.93
Olinda Brea	bbl.	.76 -	1.27
Playa del Rey, f.o.b. pipeline	bbl.	.80 -	1.16
Richfield	bbl.	.76 -	1.09
Rosecrans	bbl.	.84 -	1.66
Round Mt.	bbl.	.70 -	—
Santa Fe Springs	bbl.	.78 -	1.42
Santa Paula	bbl.	.70 -	1.01
Seal Beach	bbl.	.79 -	1.19
Signal Hill	bbl.	.80 -	1.21
Torrence	bbl.	.80 -	1.05
Wheeler Ridge	bbl.	.70 -	.83
Whittier	bbl.	.76 -	.96
Wilmington	bbl.	.75 -	1.21
Canada:—			
Oil Springs	bbl.	2.17 -	—
Petrolia	bbl.	2.10 -	—
Central West:—			
Illinois	bbl.	1.35 -	—
Lima	bbl.	1.25 -	—
Midland (Mich.)	bbl.	1.42 -	—
Princeton	bbl.	1.35 -	—
East Texas	bbl.	1.35 -	—
Gulf Coast:—			
Barber's Hill	bbl.	.95 -	1.41
Batson	bbl.	.95 -	1.41
Dayton	bbl.	.95 -	1.41
Esperson	bbl.	.95 -	1.41
Goose Creek	bbl.	.95 -	1.41
Hull	bbl.	.95 -	1.41
Humble	bbl.	.90 -	1.41
Liberty	bbl.	.90 -	1.41
Markham	bbl.	.90 -	1.29
Orange	bbl.	.95 -	1.41
Pettus	bbl.	1.37 -	—
Pierce Junction	bbl.	.95 -	1.41
Refugio (incl. Greta, Taft, Saxet)	bbl.	1.01 -	1.17
Saratoga	bbl.	.95 -	1.41
Sour Lake	bbl.	.90 -	1.41
Spindle Top	bbl.	.93 -	1.41
Sugarland	bbl.	.95 -	1.41
West Columbia	bbl.	.95 -	1.41
Kentucky, Tennessee:—			
Big Sandy river	bbl.	1.42 -	—
Kentucky river	bbl.	1.50 -	—
Western Kentucky (Owensboro.	bbl.	1.40 -	—
Louisiana, Arkansas:—			
Bull Bayou	bbl.	.90 -	1.22
Caddo	bbl.	.90 -	1.22
Cameron Meadows	bbl.	.90 -	1.30
Choctaw	bbl.	.90 -	1.30
Cotton Valley	bbl.	.90 -	1.22
Darrow	bbl.	.90 -	1.30
De Soto	bbl.	.90 -	1.22
El Dorado	bbl.	.90 -	1.22
Haynesville	bbl.	.90 -	1.22
Homer	bbl.	.90 -	1.22
Iowa	bbl.	.90 -	1.30
Lockport	bbl.	.90 -	1.30
Miller County	bbl.	.90 -	1.22
Pine Island	bbl.	.90 -	1.22
Rainbow	bbl.	.90 -	1.22
Rodessa	bbl.	.90 -	1.22
Smackover	bbl.	.90 -	—
Tepetate	bbl.	1.24 -	—
Urania	bbl.	1.02 -	—
Mexico, f.o.b. terminals Mexican ports—based on contract:—			
Panuco	bbl.	1.05 -	—
Tax, 16.048 c. per bbl.			
Tuxpan	bbl.	No prices.	
Tax, 26.047c. per bbl.			
Midcontinent:—			
North Texas	bbl.	.96 -	1.20
Oklahoma-Kansas	bbl.	.98 -	1.30
Altus, Tipton (Okla.),	bbl.	.96 -	1.20
Pennsylvania, Ohio, West Virginia:—			
Bradford-Allegany	bbl.	2.35 -	—
Corning	bbl.	1.27 -	—
Pennsylvania grade, in Buckeye lines.	bbl.	1.85 -	—
Eureka lines	bbl.	2.00 -	—
N. Y. Transit lines.	bbl.	2.35 -	—
S.W. Penn. lines.	bbl.	2.05 -	—
lower district in National Transit lines.	bbl.	2.25 -	2.30
Rocky Mountain:—			
Big Muddy	bbl.	1.18 -	1.25
Canon City-Florence.	bbl.	1.10 -	—
Cat Creek	bbl.	1.40 -	—
Dutton Creek	bbl.	1.06 -	1.30
Elk Basin	bbl.	1.30 -	—
Fort Collins-Wellington	bbl.	1.01 -	1.25
Frannie, light	bbl.	.82 -	—
Grass Creek	bbl.	1.30 -	—
Greybull	bbl.	1.30 -	—
Iles	bbl.	1.12 -	1.18
Lance Creek	bbl.	.97 -	—
Midway	bbl.	1.06 -	1.30
Rock Creek	bbl.	1.20¾-	—
Salt Creek	bbl.	1.06 -	1.30
Sunburst	bbl.	1.20 -	—
Torchlight	bbl.	1.30 -	—
South, Central and Southwestern Texas:—			
Cass County	bbl.	.98 -	1.25
Cleveland-Liberty	bbl.	1.27 -	—
Conroe	bbl.	1.20 -	1.44
Darst Creek	bbl.	1.09 -	—
Hardin-Liberty	bbl.	1.15 -	—
Luling	bbl.	1.00 -	—
Lytton Springs	bbl.	1.12 -	—
Mirando (incl. Duval)	bbl.	.96 -	1.36
Panola County	bbl.	.93 -	1.25
Salt Flat	bbl.	1.09 -	—
Tomball	bbl.	1.20 -	1.44
Van	bbl.	1.10 -	—
Texas Panhandle:—			
Carson-Hutchinson counties,	bbl.	.91 -	1.06
Gray County	bbl.	.96 -	1.06
West Texas:—			
Artesia, N. M.	bbl.	.90 -	—
Crane	bbl.	.78 -	1.06
Crockett	bbl.	.78 -	1.06
Ector	bbl.	.78 -	1.06
Glasscock	bbl.	.78 -	1.06
Hogback	bbl.	1.33 -	—
Howard	bbl.	.78 -	1.06
Jackson, N. M.	bbl.	.90 -	—
Lea, N. M.	bbl.	.78 -	1.06
Maljamar, N. M.	bbl.	.90 -	—
Mitchell	bbl.	.78 -	1.06
Pecos	bbl.	.91 -	—
Upton	bbl.	.78 -	1.06
Winkler	bbl.	.78 -	1.06
Ether, 30-60°, dms., c.l., G. 3.	gal.	.14 -	—
l.c.l., G.3	gal.	.17 -	—
tanks, G.3	gal.	.13 -	—
55-60°, dms., l.c.l., G.3	gal.	.35 -	—
40-75°, dms., c.l., G.3	gal.	.14 -	—
l.c.l., G.3	gal.	.16 -	—
tanks, G.3	gal.	.13 -	—
laboratory grade, dms., c.l., G.3.	gal.	.16 -	—
c.l., G.3	gal.	.25 -	—
10-gal. lots, G.3	gal.	.50 -	—
Lacquer, diluent, at refinery:— California 60, 169 l.b.p., 263 e.p., tanks, delvd. Los Angeles	gal.	.11 -	—
San Francisco	gal.	.11½-	—
f.o.b. Richmond	gal.	.11½-	—
Willbridge, Ore.; Pt. Wells, Wash.	gal.	.12 -	—
East Coast, tanks	gal.	.12 -	.12½
Group 3, tanks	gal.	.08¾-	—

Petroleum, naphtha, cleaners at refinery:—		
East Coast, tanks	.gal.	.10 - —
Group 3, tanks	.gal.	.07⅜- —
tankwagon, Boston, ex-tax	gal.	.13 - —
Bridgeport	.gal.	.13½- —
Chicago, inc. 4c. tax	.gal.	.172 - —
Decatur, inc. 4c. tax	.gal.	.19 - —
Des Moines, inc. 4c. tax	.gal.	.188 - —
Evansville, inc. ex tax	.gal.	.14½- .15½
Milwaukee, inc. 5c. tax	gal.	.203 - —
Minneapolis-St. Paul, inc. 5c. tax	.gal.	.204 - —
Newark, ex tax	.gal.	.12 - —
New York, ex tax	.gal.	.12 - —
Omaha, ex tax	.gal.	.144 - .154
Oklahoma City, ex tax	.gal.	.16 - —
Philadelphia, ex tax	.gal.	.11½- —
St. Louis, inc. 1c. tax	.gal.	.157 - —
Syracuse, 150 gals	.gal.	.14 - —
smaller lots, galv. drums	gal.	.16 - —
milk cans	.gal.	.21 - —
high-solvency aromatic, No. 1, over 70% arom., tanks, f.o.b. Bayway	.gal.	.18 - —
2, over 90% arom., same basis	.gal.	.21 -
3, tanks, f.o.b. Bayway	.gal.	.16 - —
8, tanks, frt. alld. within 100 mi. radius of Paulsboro, N. J.	.gal.	.17 - —
delivery beyond 100 mi., f.o.b. Paulsboro, frt. equald nearest comp. pt.	.gal.	.16¼- —
30, same basis	.gal.	.18¼- .19
40, same basis	.gal.	.14½- .15½

Petroleum, naphtha, v. m. & p., at refinery:—		
California, 46.5, 254 i.b.p., 380 e.p., tanks, f.o.b. El Segundo	.gal.	.11 - —
Richmond	.gal.	.11½- —
Willbridge, Ore., Pt. Wells, Wash.	.gal.	.12 - —
54-57, 190 i.b.p., 310 e.p. tanks, dlvd. Los Angeles	.gal.	.10 - —
San Francisco	.gal.	.10½- —
Portland, Seattle	.gal.	.11 - —
East Coast, tanks	.gal.	.11 - —
Group 3, tanks	.gal.	.07⅜- —
tankwagon, Boston, ex tax	gal.	.13 - .14
Chicago, inc. 4c. tax	.gal.	.161 - —
Decatur, inc. 4c. tax	.gal.	.19 - —
Des Moines, inc. 4c. tax	.gal.	.188 - —
Evansville, Ind., ex tax	.gal.	.147 - .157
Milwaukee, inc. 5c. tax	.gal.	.203 - —
Minneapolis-St. Paul, inc. 4c. tax	.gal.	.204 - —
Newark, ex tax	.gal.	.13½- —
New York, ex tax	.gal.	.12 - —
Omaha, ex tax	.gal.	.144 - .154
Philadelphia, ex tax	.gal.	.12½- —
St. Louis, inc. 1c. tax	.gal.	.157 - —
Solvent, rubber, at refinery, East Coast, tanks	.gal.	.10 - —
Group 3, light, 120 i.b.p., 250 e.p., tanks	.gal.	.07⅜- —
standard, 180 i.b.p., 288 e.p., tanks	.gal.	.07⅜- —
Stoddard (CS 3-28), at refinery:—		
East Coast, tanks	.gal.	.10 - —
Group 3, tanks	.gal.	.06⅞- —
tankwagon, Boston, ex tax,	gal.	.12½- .13½
Chicago, inc. 4c. tax	.gal.	.155 - —
Decatur, inc. 4c. tax	.gal.	.18 - -

Petroleum, solvent, Stoddard, tankwagon, Des Moines, inc. 4c. tax	.gal.	.178 - —
Evansville, Ind., ex tax	.gal.	.135 - .145
Milwaukee, inc. 5c. tax,	gal.	.193 - —
Minneapolis - St. Paul, inc. 5c. tax	.gal.	.18 - —
Newark, ex tax	.gal.	.11½- —
New Orleans, ex tax	.gal.	.11 - —
New York, ex tax	.gal.	.11½- —
Omaha	.gal.	.131 - .141
Philadelphia, ex tax	.gal.	.11½- —
St. Louis, inc. 1c .tax	.gal.	.146 - —
Tulsa, ex tax	.gal.	.10 - .11
thinner, at refinery:—		
California, 34, 325 i.b.p., 390 e.p., low anilin, tanks f.o.b. Los Angeles	.gal.	.14 - —
Portland, Ore	.gal.	.15 - —
Richmond	.gal.	.13½- —
Seattle, Wash	.gal.	.15½- —
44, 311 i.b.p., 385 e.p., tanks, f.o.b. Point Wells, Wash.: Willbridge, Ore.,	gal.	.10½- —
Richmond	.gal.	.10 - —
Southern Calif	.gal.	.09½- —
56, 200 i.b.p., 300 e.p., tanks, f.o.b. El Segundo	.gal.	.11 - —
Portland, Ore	.gal.	.12 - —
Richmond	.gal.	.11½- —
Seattle, Wash	.gal.	.12 - —
East Coast, 43-47, tanks	.gal.	.09½- .10
47-49, tanks	.gal.	.09½- .10
Group 3, tanks	.gal.	.06⅜- —
tankwagon, tax included:—		
Albany	.gal.	.13 - —
Baltimore (100 gals.)	.gal.	.12½- .15½
25-99 gals	.gal.	.13½- .15½
Boston	.gal.	.12½- .13½

● Those who use Niagara's products know that Niagara delivers orders promptly and in good condition. They also know that Niagara service does not stop at delivery. We are interested in seeing that our products do their work as it should be done. This willingness to give thoroughgoing technical cooperation has generated many friendships for Niagara and rapidly increased the number of manufacturers who buy...

NIAGARA ALKALI COMPANY
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NIAGARA CAUSTIC SODA
NIAGARA CAUSTIC POTASH
NIAGARA CARBONATE OF POTASH

Petrol., Naphtha—Potash Glyc.

Petroleum thinner, t.w., Bound Brook, North Amboy, N. J.	.gal.	.11½- .13½
Bridgeport, Conn.	.gal.	.13 - —
Buffalo	.gal.	.12½- —
Camden, N. J.	.gal.	.115 - .135
Chicago	.gal.	.139- —
Decatur, Ill.	.gal.	.18 - —
Des Moines	.gal.	.178 - —
Evansville, Ind.	.gal.	.137 - .147
Milwaukee	.gal.	.193 - —
Minneapolis-St. Paul.	.gal.	.194 - —
Newark	.gal.	.10½- .11
New York (200 gals.).	.gal.	.11 - —
smaller lots	.gal.	.11½- .12
Omaha	.gal.	.131 - .141
Philadelphia	.gal.	.115 - .135
Pittsburgh	.gal.	.12 - .14
Providence	.gal.	.12½- .13½
Rochester	.gal.	.12 - .16
St. Louis	.gal.	.147 - —
Syracuse	.gal.	.14 - —
Trenton	.gal.	.11½- .14
Wilmington, Del.	.gal.	.11½- .13½
Phenobarbital, bots., 5 lbs.	lb.	4.35 - —
bots. or cns., spot or contract, 100 lbs.	lb.	4.00 - —
cns., 25 lbs.	lb.	4.25 - —
Phenol, USP, dms., c.l., works, frt. equald.	lb.	.14½- .15½
l.c.l., same basis	lb.	.15½- .16½
under 1,000 lbs.	lb.	.16½- .17½
tanks, works	lb.	.13½- —
Phenolphthalein, USP, bbls., dms. 2,000-lb. lots.	lb.	.85 - —
bbls., dms., kegs, 100-250 lbs.	lb.	.87 - .89
yellow, fib., dms., 2,000-lb. lots.	lb.	.80 - —
100-lb. fib. dms	lb.	.82 - —
25-lb. dms	lb.	.87 - —
50-lb. kgs.	lb.	.84 - —
Phenyl chloride, dms.	lb.	.17 - —
Phenylacetaldehyde, bots.	lb.	2.25 - 3.50
Dimethylacetate, cns.	lb.	14.50 -15.00
Phenylethylphenyl acetate, bots.,	lb.	15.50 -16.00
Phenylhydrazine base, CP, bots.	lb.	4.00 - —
Hydrochloride, CP, bots., works.	lb.	4.00 - —
commercial, kgs., works	lb.	1.50 - —
pure, bbls., works	lb.	2.25 - —
Phloroglucinol, CP, tins, works.	lb.	20.00 -22.00
tech., tins, works	lb.	15.00 -16.50
Phosphate rock, Fla., high-grade, hard, 77% basis, 70% min., bulk, mines.	long ton.	4.35 - —
land pebble, 68% min., bulk, mines.	long ton.	1.85 - —
70% min., bulk, mines	long ton.	2.35 - —
72% min., bulk, mines	long ton.	2.85 - —
75% basis, 74% min., bulk mines.	long ton.	3.85 - —
Tenn., 72% bulk, mines	long ton.	4.50 - —
75%, bulk, mines.	long ton.	5.50 - —
Phosphorus, red, cs.	lb.	.40 - .44
Yellow, cs.	lb.	.24 - .30
Oxychloride, cyls.	lb.	.15 - .18
Sesquisulphide, cs.	lb.	.38 - .42
Trichloride, cyls.	lb.	.15 - .18
Phthalic anhydride, dms., c.l., works, frt. alld. E. of Miss. R.	lb.	.14½- —
l.c.l., same basis	lb.	.15½- —
Pichi leaves, bgs.	lb.	.08 - .10
Pilocarpine hydrochloride, bots., vis.	oz.	2.50 - 2.75
Nitrate, bots., vis.	oz.	2.40 - 2.65
Pimento, bgs.	lb.	.14¾- .15
Pinkroot, bls.	lb.	.45 - .49
Pitch, Burgundy (see B)		
Coaltar, 160° m.p., bbls., c.l., works.	ton.	19.00 - —
l.c.l.	ton.	22.00 - —
Pitch, hardwood, 1-time, dm., c.l., dlvd. Akron.	ton.	23.75-24.00
Linseed, dms.	lb.	.04¾- .05¼
Petroleum (see Asphaltum, Mexican, Texas).		
Pine, bbls.	bbl.	6.00 - 6.50
Plaster of paris (see Gypsum).		
Pleurisy root, bls.	lb.	.12 - .13
Podophyllin, dms.	lb.	4.50 - 4.60
Poke root, bls.	lb.	.07½- .08
Pomegranate bark, bgs.	lb.	.18 - .19
Root bark, bgs.	lb.	.40 - .41
Poppy flowers, red, bls.	lb.	.70 - .75
Seed, Dutch, bgs.	lb.	.09¼- .09½
Polish, bgs.	lb.	.09 - .09¼
Potash acetate, USP, bbls., 250 lbs.	lb.	.28 - —
kgs., 100 lbs.	lb.	.30 - —
cns., 25 lbs.	lb.	.33 - —
Arsenite, USP, solut., cbys., 100 lbs.	lb.	.11 - —
demj., 50 lbs.	lb.	.12 - —
Bicarbonate, USP, cryst., bbls., 500 lbs.	lb.	.18 - —
kgs., 100 lbs.	lb.	.20 - —
gran., bbls., 250 lbs.	lb.	.18 - —
kgs., 100 lbs.	lb.	.20 - —
Bichromate spot, c.l., works.	lb.	.08⅞- —
6 casks or 10 bbls., or over, works.	lb.	.09 - —
5 casks or 9 bbls., or less, works.	lb.	.09¼- —
Binoxalate, dms.	lb.	.23 - —
Bisulphate, kgs.	lb.	.13½- .16
Bromide, USP., gran., bbls., 500 lbs.	lb.	.31 - —
fib., dms., 100 lbs.	lb.	.32 - —
Carbonate, calc., dms., c.l., works.	lb.	.06¼- —
l.c.l., same basis	lb.	.06¾- —
hydrated, 83-85%, bbls., c.l., works.	lb.	.05¼- —
l.c.l., same basis	lb.	.05¾- —
liquid, dms., c.l., dlvd.	lb.	.03 - —
l.c.l., dms.	lb.	.03½- —
tanks, dlvd.	lb.	.0287½- —
USP, gran., bbls., 325 lbs.	lb.	.14 - —
kgs., 100 lbs.	lb.	.16 - —
powd., bbls., 325 lbs.	lb.	.19 - —
kgs., 100 lbs.	lb.	.21 - —
Caustic, flake, 88-92%, dom., dms., c.l., works.	lb.	.07 - —
l.c.l.	lb.	.07¼- .07½
import, dms.	lb.	.07 - .07½
liquid, 45% basis, dms.	lb.	.03½- .03¾
tanks	lb.	.02⅞- —
solid, 88-92%, dom., dms., c.l., works.	lb.	.06¼- —
l.c.l.	lb.	.06½- .06¾
import, caks.	lb.	.06½- .07⅛
Chlorate, cryst., kgs.	lb.	.09¼- .09½
gran., kgs.	lb.	.12 - .15
powd., kgs.	lb.	.08½- .09¾
Chloride, tech., 98%, cryst., bgs., kgs.	lb.	.04 - .06
Chromate, kgs.	lb.	.19 - .25
Citrate, USP, gran., bbls., 250 lbs.	lb.	.84 - —
kgs, 100 lbs.	lb.	.35 - —
cns., 50 lbs.	lb.	.36 - —
cns., 25 lbs.	lb.	.36 - .39
Cyanide, cns., dms.	lb.	.55 - .60
Glycerophosphate, 75%, sol., dms., 1,000-lb. lots.	lb.	1.15 - —
smaller lots	lb.	1.30 - —
cns., 25 lbs.	lb.	1.40 - —

Potash Guaiac.—Soda Caustic

Potash, guaiacolsulphonate, fib., dms., 100 lbs..lb. 1.65 - —
cns., 25 lbs.....lb. 1.75 - —
Hydroxide, USP, sticks, cns., 110 lbs..lb. .30 - —
Hypophosphite, cns., 100 lbs., lb. .72 - —
25 to 50 lbs.....lb. .75 - —
Iodate, bbls., bots., 5 lbs....lb. 3.17 - —
cns., 25 lbs.....lb. 3.05 - —
Iodide, bbls., 250 lbs.....lb. .93 - —
bots., or cns.....lb. 1.02 - 1.28
dms. .....lb. .95 - .96
Kainit, 20% K_2O, bulk, c.l.f., ports..ton.12.75 - —
Manure salt, dom., run of mine, approx. 30% K_2O, bulk, c.l.f. ports, unit-ton. .58½- —
import., 30%, K_2O, bulk, shipt. unit-ton. .58½- —
Metabisulphite, kgs.....lb. .13 - .15
Muriate, dom., all strengths, min. 50% K_2O, bulk... unit-ton. .53½- —
import, all strengths, min. 80% KCl, basis 50% K_2O, bulk, c.l.f. ports..unit-ton. .53½- —
Potash muriate prices in bags are $3 ton higher than bulk price.
Oxalate, pure, cryst., kgs....lb. .20 - .21
tech., bbls.....lb. .25 - .26
Perchlorate, kgs., works....lb. .09 - .11
Permanganate, tech., dms...lb. .18½- .19
Prussiate, red, bbls.....lb. .35 - .37
Yellow, bbls.....lb. .15 - .16
Ricinoleate, tech., bbls.....lb. .13 - —
Silicate alkaline, lump, bgs.lb. .07 - —
Sulphate, NF, cryst., bbls., 400 lbs..lb. .12 - —
kgs., 100 lbs.....lb. .15 - —
powd., bbls., 350 lbs.....lb. .14 - —
kgs., 100 lbs.....lb. .16 - —
tech., 90-95%, min. 90%, bgs., shipt., c.l.f. ports..ton.38.00 - —
Xanthate, dms., c.l.....lb. .13 - —
l.c.l. .....lb. .13½- —
Potash-magnesia sulphate, 48-53%, min. 48%, bgs., shipt. ton.25.75 - —
Potash-titanium oxalate, kgs..lb. .33 - .35
Prickly ash bark, bls.....lb. .12 - .13
Berries, bls.....lb. .15 - .16
Prince's pine herb, bls.....lb. .22 - .23
Propane, tanks, G.S.....gal. .03 - .04¾
Psyllium seed (see Fleaseed).
Pulsatilla, bls.....lb. .18 - .19
Pumice stone, Italian, Amer, grd., 4F, 3F, 2F, 1½F, and coarser, bbls., 3 or over, works..lb. .03 - —
less than 3, works..lb. .03½- —
F and 1, bbls., 3 or over, works..lb. .03½- —
less than 3, works..lb. .04 - —
0, 0-½, 0-¾, and ½, bbls., 3 or over, works..lb. .04 - —
less than 3, works..lb. .04½- —
Ital.-grd., bgs., c.l., shipt. ex-dock, N.Y...ton.32.85 Nom.
l.c.l., 5-29 tons, ex whse. ton.37.70 - —
1,000-10,000 lbs., ex whse..ton.38.70 - —
2 bgs. to 1,000 lbs., ex whse..ton.40.70 - —
single bgs., ex whse.ton.45.70 - —
Pumpkin seed, bgs.....lb. .11 - .14
Purple lake (see Red).
Putty, com'l., dms., 1,000 lbs. 100 lbs. 2.90 - —
500-999 lbs.....100 lbs. 3.10 - —
100-499 lbs.....100 lbs. 3.25 - —
linseed oil, raw, dms., 1,000 lbs..100 lbs. 4.05 - —
500-999 lbs.....100 lbs. 4.85 - —
100-499 lbs.....100 lbs. 5.00 - —
refined dms., 1,000 lbs. 100 lbs. 5.15 - —
500-999 lbs.....100 lbs. 5.35 - —
100-499 lbs.....100 lbs. 5.50 - —
standard, dms., 1,000 lbs., 100 lbs. 3.65 - —
500-999 lbs.....100 lbs. 3.85 - —
100-499 lbs.....100 lbs. 4.00 - —
Pyrethrum concentrate, liq. (20 to 1), basis 2.4% pyrethrins (Seil test) 55 gal. dms. (incl.), frt. alld. E. of Rockies, standard brand..gal. 5.00 - 5.25
Pyrethrum concentrate, liq., basis (30 to 1) 3.6% pyrethrins, 55 gal. dms. (incl.) frt. alld. E. of Rockies, standard brand, gal. 7.75 - 7.85
Pyrethrum, flowers, coarse, grnd. (g.d.p.), Japan, bgs., frt. alld., 15 tons or over..lb. .18 - —
fine powd. Japan, bbls., ton lots, frt. alld..lb. .19 - —
Pyridin, denaturing, dms....gal. 1.55 - —
refd., 2° dms.....lb. .45 - —
Pyrites, Spanish, bulk, c.l.f. Atl. ports..unit-ton. .12-.13 Nom.
Pyrocatechin, CP, cryst., works, fib, dms., tins..lb. 2.15 - 2.40
resublimed, fib, dms., tins..lb. 4.00 - —
Pyroxylin scrap, amber, cs., works..lb. .15 - —
black, cs., works.....lb. .10 - —
China white, ivory, cs., works..lb. .16 - —
dense white, cs., works...lb. .12 - —
gray, cs., works.....lb. .10 - —
mixed, mottles, opaque, cs., works..lb. .04 - —
shell-demi, cs., works....lb. .12 - —
translucent pastels, cs., works..lb. .10 - —
transparent, cs., works...lb. .20 - —
colors, cs., works.....lb. .12 - —
shavings, amber, cs., works..lb. .16 - —
colors, mixed, cs., works.lb. .10 - —
white, cs., works.....lb. .15 - —

Q

Quassia, chips, bls.....lb. .06 - .07
Quebracho extract, liquid, 35% tan., bbls., works..lb. .03½- —
tanks, works.....lb. .03 - —
Quebracho, solid, 63%, bgs., c.l., ex dock, plus duty..lb. .04 - —
clarified, 64%, bgs., c.l., same basis..lb. .04¼- —
Queen of the meadow herb, bgs..lb. .10 - .12
Root, bgs.....lb. .09 - .10
Quercitron, extract, liquid, 51°, bbls..lb. .06 - .09
solid, dms. .....lb. .10 - .12
Quicksilver, dom., flasks (76 lbs. net), dlvd., N.Y...flasks.83.00 -84.00
Quince seed, bgs.....lb. .85 - 1.50
Quinidine, cryst., small cns...oz. .96 - —
large, cns.....oz. .96 - —
powd., precip., cans.....oz. .91 - —
Sulphate, cns.....oz. .67 - —
Quinine, 100 ozs., cns.....oz. .74 - —
Acetate, cns.....oz. .96 - —
Arsenate, cns.....oz. .98 - —
Arsenite, cns.....oz. 1.00 - —
Bisulphate, cns.....oz. .53 - —
Citrate, cns.....oz. .71 - —
Dihydrobromide, bots.....oz. .74 - —
Dihydrochloride, bots.....oz. .74 - —
Quinine, ethylcarbonate, cns..oz. .74 - —
Ferrocyanide, cns.....oz. 1.00 - —
Formate, cns.....oz. .93 - —
Glycerophosphate, cns.....oz. 1.13 - —
Hydrochloride, cns.....oz. .66½- —
Hydrochlorosulphate, cns....oz. .74 - —
Hydroiodide, cns.....oz. .98 - —
Hypophosphite, cns.....oz. .96 - —
Phosphate, cns.....oz. .81 - —
Salicylate, cns.....oz. .72 - —
Sulphate, U.S.P. X, cns.....oz. .53 - —
U.S.P. XI, cns.....oz. .59½- —
Sulphocarbolate, cns.....oz. .96 - —
Tannate, cns.....oz. .87 - —
Tartrate, cns.....oz. .96 - —
Valerate, cns.....oz. .92 - —
Quinine-urea hydrochloride cns.oz. .74 - —

R

R salt, bbls.....lb. .52 - .55
Rapeseed, Belgian, bgs.....lb. .06 - .06½
Dutch, bgs.....lb. .06½- .06½
Japanese, bgs.....lb. .06¼- .06⅝
Raspberries, dried, bbls.....lb. .70 - .75
Red, alizarin lake bbls., dlvd. N. of Tenn. and N.C., E. of Miss. R., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis..lb. 1.10 - —
Red, Alizarin lake prices are ½c. higher dlvd. Ala., Fla., Ga., Ia. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago
Amaranth (see Red, maroon, lake,
Cadmium, lithopone, deep shade, bbls., ton lots, works, frt. alld..lb. .91 - —
smaller lots, same basis, lb. .96 - —
kgs., ton lots, same basis, lb. .96 - —
smaller lots, same basis, lb. 1.01 - —
light shade, bbls., ton lots, same basis..lb. .76 - —
smaller lots, same basis, lb. .81 - —
kgs., ton lots, same basis, lb. .81 - —
smaller lots, same basis, lb. .86 - —
light-medium shade, bbls., ton-lots, same basis..lb. .81 - —
smaller lots, same basis, lb. .86 - —
kgs., ton lots, same basis, lb. .86 - —
smaller lots, same basis, lb. .91 - —
maroon shade, bbls., ton lots, same basis..lb. 1.01 - —
smaller lots, same basis, lb. 1.06 - —
kgs., ton lots, same basis lb. 1.06 - —
smaller lots, same basis, lb. 1.11 - —
medium shade, bbls., ton lots, same basis..lb. .86 - —
smaller lots, same basis, lb. .91 - —
kgs., ton lots, same basis..lb. .85 - —
smaller lots, same basis, lb. .96 - —
Selenide, bbls., dark works..lb. 2.75 - —
light works.....lb. 2.25 - —
Orange, bbls., 100-lb. lots, works..lb. 1.60 - —
Carmine, 40, cns., 500 lbs....lb. 4.00 - —
100 lbs. .....lb. 4.15 - —
11 lbs. .....lb. 4.40 - 4.50
Crocus martis (see Red, purple oxide).
Eosin toner, blue shade, bbls. lb. 1.55 - —
yellow shade, bbls.....lb. 1.40 - —
Indian, pure, bbls., f.o.b. Bethlehem, Easton, E. St. Louis, N. Y..lb. .08¾- —
80%-85%, bbls., same basis.lb. .07¼- —
Iron oxide (see Red, oxide).
Lake C toner, bbls., same basis alizarin lake, contracts.lb. 1.25 - —
open order.....lb. 1.30 - —
Lithol-rubin toner, bbls., same basis alizarin lake..lb. 1.50 - —
open order.....lb. .80 - —
Lithol-rubin toner, bbls., same basis alizarin lake.....lb. 1.50 - —
Maroon lake, 25%, kgs., same basis alizarin lake, contracts, lb. .40 - —
Oxide (see Red, purple oxide).
Mercury oxide, tech., dom.... bbls. 1.49 - —
Metallic, bbls., Pa., works..lb. .92 - —
Orange, Persian (see O).
Oxide, pure, bbls., c.l., works lb. .06½- —
l.c.l., works.....lb. .09¼- —
reduced, 85% copperas oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, E. St. Louis, New Castle, N. Y..lb. .08¼- —
80% copperas oxide, bbls., same basis..lb. .07¾- —
Para toner, concent., kegs, same basis alizarin lake, contracts..lb. .75 - —
open order..lb. .80 - —
Persian Gulf oxide, bbls., l.c.l., f.o.b. Bethlehem, Easton, N. Y..lb. .04½- —
ex whse., Chicago, St. Louis..lb. .05⅝- —
San Fran., Los Ang., Portland, Seattle..lb. .05 - —
Phosphotungstic rhodamine Y, kgs..lb. 4.15 - —
Purple lake, kgs.....lb. .60 - 1.00
Oxide, bbls., f.o.b. Bethlehem, Easton, E. St. Louis..lb. .03 - —
Toner, kgs.....lb. 1.50 - 2.00
Rose lake, bbls.....lb. .20 - .30
Pink, bbls.....lb. .15 - .20
Scarlet ink toner, kgs., same basis alizarin lake..lb. .45 - —
Lake, kgs., same basis alizarin lake..lb. .25 - .30
Spanish oxide, bbls., dlvd...lb. .03¾ Nom.
Toluidin toner, kgs., same basis alizarin lakes..lb. 1.35 - —
Tuscan, 1, bbls., f.o.b. N.Y., E. St. Louis..lb. .25½- —
2, bbls., same basis.....lb. .30½- —
3, bbls., same basis.....lb. .23½- —
4, bbls., same basis.....lb. .33½- —
5, bbls., same basis.....lb. .24 - —
6, bbls., same basis.....lb. .24 - —
7, bbls., same basis.....lb. .24 - —
8, bbls., same basis.....lb. .23 - —
9, bbls., same basis.....lb. .31½- —
10, bbls., same basis.....lb. .18¾- —
Venetian, bbls., works.....lb. .0220- —
10%, bbls., works.....lb. .0245- —
15%, bbls., works.....lb. .0255- —
20%, bbls., works.....lb. .02¾- —
25%, bbls., works.....lb. .03 - —
30%, bbls., works.....lb. .03¼- —
35%, bbls., works.....lb. .0360- —
40%, bbls., works.....lb. .04 - —
Vermilion, Amer., bbls., same basis alizarin lake..lb. .15 - —
English quicksilver, bbls., 500 lb. 1.60 - —
smaller lots .....lb. 1.61 - 1.69

Red dyes are listed under Dyes.
Red precipitate, N. F., powd., fib. dms., 50 lbs. or more..lb. 1.75 - —
Red saunders wood, ground, bbls. lb. .12 - .17
Resorcinol, tech., dms., works..lb. .75 - .80
USP, cryst., bbls., works....lb. 1.50 - 1.55
Rhatany root, bgs.....lb. .09 - .10
Rhodinol, bots.....lb. 5.75 -15.00
Rhubarb root, cs.....lb. 1.00 - 1.05
powd., bbls., kgs.....lb. 1.05 - 1.10
Rochelle salt, cryst., bbls., 5,000 lbs., 1 shipm't..lb. .16 - —
smaller lots .....lb. .16½- —
powd., bbls., 5,000 lbs., 1 shipm't..lb. .15 - —
smaller lots.....lb. .15½- —
Rose flowers, pale, bls.....lb. .34 - .35
Red, bls.....lb. 2.25 - 2.30
Rosemary flowers, bls.....lb. .35 - .40
Leaves, bls.....lb. .05½- .06
Rosin, gum, B, bbls., ex dock.. 280 lbs. 6.40 - —
D, bbls.....280 lbs. 6.40 - —
E, bbls.....280 lbs. 6.40 - —
F, bbls.....280 lbs. 6.90 - —
G, bbls.....280 lbs. 6.90 - —
H, bbls.....280 lbs. 6.90 - —
I, bbls.....280 lbs. 6.95 - —
K, bbls.....280 lbs. 6.95 - —
M, bbls.....280 lbs. 7.05 - —
N, bbls.....280 lbs. 7.10 - —
W. G., bbls.....280 lbs. 7.65 - —
W. W., bbls.....280 lbs. 8.00 - —
X, bbls.....280 lbs. 8.00 - —
Wood, New York, F. F., bbls. 280 lbs. 6.70 - 7.65
K, bbls.....280 lbs. 6.80 - 7.75
M, bbls.....280 lbs. 7.50 - 8.45
N, bbls.....280 lbs. 7.80 - 8.75
Rottenstone, dom., bgs., c.l., f.o.b. mines..ton.35.00 - —
l.c.l., ex whse.....ton.50.00 - —
import., lump, bbls.....lb. .12 - —
powd., bbls.....lb. .08½- .10
Rue, bls.....lb. .21 - .23

S

Sabadilla seed, powd., bbls....lb. .21 - .22
Saccharin, dms., 100 lbs.....lb. 1.70 - —
cns., 25 lbs. .....lb. 1.73 - 2.05
Safflower, bls. .....lb. .25 - .26
Saffron, Mexican, bls.....lb. .35 - .40
Spanish, tins.....lb.19.50 -20.50
Safrol, cns.....lb. .50 - .58
dms. .....lb. .47 - .55
Sage, Dalmatian, stemless....lb. .06½- .07
garden, bls. .....lb. .06½- .07
Sago flour, bgs.....lb. .03½- .04¼
Salicin, bots., 5 lbs.....lb. 5.00 - —
cns., 25 lbs. .....lb. 4.75 - —
Salol, gran., bbls., 200 lbs.....lb. .90 - —
bxs., 25 lbs.....lb. .93 - —
kgs., 100 lbs.....lb. .90 - —
powd., fib. dms., 25 lbs.....lb. 1.03 - —
kgs., 100 lbs.....lb. 1.00 - —
Salt, rock, bgs., dlvd., N. Y..ton.11.80 -12.80
l.c.l., bgs., dlvd., N. Y.ton.14.00 -14.50
vacuum, common, fine, bgs., c.l., dlvd., N. Y..ton.14.80 —
l.c.l., dlvd. N. Y.....ton.15.50 —
Saltcake, grd., dom., bbls., works, ton.19.00 -25.00
bulk, works.....ton.15.00 - —
import, bulk, c.l.f.....ton.15.00 -16.00
Chrome (see Chrome cake).
Saltpeter, dbl. refined, cryst., 10-20 tons, bbls..100 lbs. 7.00 - 7.75
1-9 tons.....100 lbs. 7.40 - 7.90
less than ton lots..100 lbs. 7.40 - 8.15
gran., bbls., 10-20 tons.100 lbs. 6.00 - —
1-9 tons.....100 lbs. 6.15 - —
less than ton lots..100 lbs. 6.40 - —
powd., bbls., 10-20 tons.100 lbs. 7.00 - —
1-9 tons.....100 lbs. 7.15 - —
less than ton lots..100 lbs. 7.40 - —
Santonin, cryst., cns.....lb.25.00 -26.00
Saponin, crude, cns.....lb. 1.45 - —
purified, bots., 5 lbs.....lb. 1.65 - —
cns. 25 lbs. .....lb. 1.50 - —
Sarsaparilla root, Honduras, bls.lb. .42 - .43
Mexican, bls. .....lb. .19 - .20
Sassafras bark, ord., bls.....lb. .13 - .15
select, bls.....lb. .23 - .25
Savory, bbls.....lb. .07½- .08
Saw palmetto berries, bgs.....lb. .15 - .16
Scammony root, bgs.....lb. .06 - .07
Schaeffer's salt, bgs.....lb. .46 - —
Seidlitz mixture, bbls., 5,000 lbs., 1 shipm't..lb. .12⅝- —
smaller lots .....lb. .13¼- —
kegs, 5,000 lbs., 1 shipm't.lb. .13¼- —
smaller lots .....lb. .13⅝- —
Senega root, bls.....lb. .57 - .58
Senna leaves, Alexandria, bls.lb. .10 - .11
Tinnevelly, No. 1, bls.....lb. .10 - .11
2, bls.....lb. .07 - .08
3, bls.....lb. .05 - .06
powd., bbls., bxs.....lb. .09 - .10
siftings, bls.....lb. .10 - .11
Pods, bls.....lb. .06 - .07
Serpentaria root, bls.....lb. 1.00 - 1.05
Shellac, bleached, bonedry, bbls., f.o.b., N.Y..lb. .17 - .17½
dlvd. Boston.....lb. .17½- .18
Chicago .....lb. .18 - .18½
Pacific Coast.....lb. .19 - .19½
refd., bbls., f.o.b. N. Y....lb. .23 - .24
dlvd. Boston.....lb. .23½- .24½
Chicago .....lb. .24 - .25
Pacific Coast.....lb. .26 - .27
Garnet, bgs.....lb. .14 - .15
Orange, D.C., VSO., Diamond, cases..lb. .21 - .22
superfine, bgs., f.o.b. Bost., N. Y..lb. .13 - .13½
dlvd. Chicago.....lb. .13½- .14
Pacific Coast.....lb. .16 - .16½
T. N., bgs., f.o.b. Bost., N.Y., lb. .12 - .12½
dlvd. Chicago.....lb. .12½- .13
Pacific Coast.....lb. .15 - .15½
Shellac varnish, orange, 5-lb. cut, bbls..lb. .85 - .95
4½-lb. cut, bbls.....gal. .80 - .90
4-lb. cut, bbls.....gal. .75 - .85
white, 5-lb. cut, bbls....gal. 1.00 - 1.10
4½-lb. cut, bbls.....gal. .95 - 1.05
4-lb. cut, bbls.....gal. .90 - 1.00
Silica, amorph., dry-grd., 95-97%, 325 mesh, bgs., c.l., works, ton.17.00 - —
l.c.l., 2½ tons, works, ton.19.00 - —
smaller lots, works, ton.20.00 - —
wet-grd., 95-97%, 325 mesh, bgs., c.l., works..ton.18.00 - —
l.c.l., 2½ tons, works, ton.19.50 - —
smaller lots, works, ton.21.00 - —
400 mesh, bgs., c.l., works, ton.35.00 - —
l.c.l., 2½ tons, works, ton.36.50 - —
smaller lots, works, ton.38.00 - —
96-98%, 3.25 mesh., bgs., c.l., works..ton.20.00 - —
l.c.l., 2½ tons, works, ton.21.50 - —
smaller lots, works, ton.23.00 - —
99%, 325 mesh, bgs., c.l., works..ton.22.00 - —
l.c.l., 2½ tons, works, ton.25.50 - —
smaller lots.....ton.27.00 - —
hard-quartz, 140 mesh, bgs., c.l., works..ton.11.00 - —
l.c.l., works.....ton.16.00 - —
Silver, bullion.....oz. .44¾- —
Govt. purchase.....oz. .7757- —
Nitrate, vis.....oz. .32⅝- .34¾
Nucleinate, bots., cns., 480 ozs., oz. .30 - .31
Proteinate, bots., cns., 480 ozs., oz. .29 - .30

Simarubra bark, bls.....lb. .28 - .30
Skatol, bots.....lb.75.00 -80.00
Skullcap, Eastern, bls.....lb. .30 - .35
Western, bls. .....lb. .18 - .20
Skunk cabbage root, bls.....lb. .18 - .20
Slate flour, bgs., c.l., works..ton. 9.00 - —
l.c.l., works.....ton.10.00 -15.00
Sloe berries, bgs.....lb. .10 - .11
Smalt, black, extra velvet, cns. lb. .05 - .06
Blue, cts.....lb. .07 - .08½
Snakeroot, Canad., bls.....lb. .24 - .26
Soapbark, bls.....lb. .07 - .08
crushed, bls., bbls.....lb. .11 - .12
cut, bls., bbls.....lb. .10 - .11
powd., bbls.....lb. .14 - .15
Soda abietate, dms.....lb. .13 - —
Acetate, anhyd., dms.....lb. .08¼- —
flake, gran., powd., 60%, dms..lb. .04¼- .05
Alginate, dms.....lb. .69 - —
Antiseniate, bbls.....lb. .14¾- .15¼
Arsenate, dms., dealers, c.l., works..lb. .08 - —
l.c.l., dms., works.....lb. .08½- —
Arsenite, dry, gray, dms., c.l., dealers' works..lb. .07½- .09½
l.c.l., dms., works.....lb. .08 - .10
white, dms., c.l., dealers' works..lb. .09 - .12
l.c.l., dms., works.....lb. .09½- .13½
liquid, dms., works.....gal. .30 - .33
Arsenite, powd., bbls.....lb. .13 - .14
Soda arsenite, dry, gray prices are ¾c. per pound higher in Chicago; 1c. per pound higher in Houston, Tex., and Colorado. White prices are 1c. per pound higher in Tex. and Colo.
Ash, dense, 58%, bgs., c.l., works..100 lbs. 1.10 - —
l.c.l., Zone 1.....100 lbs. 2.18 - —
2 .....100 lbs. 2.28 - —
3 .....100 lbs. 2.33 - —
4 .....100 lbs. 2.93 - —
bbls., c.l., works....100 lbs. 1.35 - —
l.c.l., Zone 1.....100 lbs. 2.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l., works....100 lbs. .95 - —
extra light, 58%, bgs., c.l. works..100 lbs. 1.08 - —
l.c.l., Zone 1.....100 lbs. 2.08 - —
2 .....100 lbs. 2.23 - —
3 .....100 lbs. 2.48 - —
4 .....100 lbs. 2.88 - —
bbls., c.l.....100 lbs. 1.45 - —
2 .....100 lbs. 2.60 - —
3 .....100 lbs. 2.85 - —
4 .....100 lbs. 3.25 - —
l.c.l., Zone 1.....100 lbs. 2.45 - —
bulk, c.l. .....100 lbs. .90 - —
light, 58%, bgs., c.l., works, 100 lbs. 1.05 - 1.08
l.c.l., Zone 1.....100 lbs. 2.08 - —
2 .....100 lbs. 2.23 - —
3 .....100 lbs. 2.48 - —
4 .....100 lbs. 2.88 - —
bbls., c.l., works....100 lbs. 1.35 - —
l.c.l., Zone 1.....100 lbs. 2.35 - —
2 .....100 lbs. 2.50 - —
3 .....100 lbs. 2.75 - —
4 .....100 lbs. 3.15 - —
bulk, c.l.....100 lbs. .90 - —
Soda ash l.c.l. prices are per 100 lbs. f.o.b. recognized warehouse points and include delivery in any quantity to customer's sidewalk within recognized local trucking distance of seller's warehouse. The sales zones are:—Zone 1, E. of Miss. R., but including Davenport and St. Louis, to S. bndry. of Va. and Ky., N. E. States (in Me., N. H., Vt.), special local prices apply for shipts, to various counties; Zone 2, Ala, Fla., Ga., Iowa (except Davenport), E. Kan. (incl. Wichita), Minn., Miss., Mo. (except St. Louis), N. C., Omaha, S.C., Tenn.; Zone 3, Ark., Kan. (W. of Wichita), La., Neb. (except Omaha), N.D., Okla., S.D., Tex. (except El Paso); Zone 4, Ariz., Colo., El Paso (Tex.), Idaho, Mont., Nev., N.M., Spokane, Utah, Wyo.; Zone 5, Calif., Ore., Wash. (except Spokane).
Benzoate, tech., bbls., 4,000 lbs. or more..lb. .39 - —
1,000 to 3,900 lbs.....lb. .40 - —
900 lbs. or less.....lb. .43 - —
USP, bbls., 4,000 lbs. or more. lb. .46 - —
1,000 to 3,900 lbs.....lb. .47 - —
900 lbs or less.....lb. .50 - —
dms., 4,000 lbs. or more...lb. .47 - .48
1,000 to 3,900 lbs.....lb. .48 - .49
900 lbs. or less.....lb. .51 - .52
Bicarbonate, gran., bbls., c.l., works..100 lbs. 2.25 - —
powd., bbls., c.l., works.. 100 lbs. 1.85 - —
l.c.l., dlvd. N. Y...100 lbs. 2.49 - —
kgs., c.l.....100 lbs. 2.10 - —
l.c.l., dlvd. N. Y...100 lbs. 2.74 - —
Bichromate, spot, c.l., works lb. .06¾- —
6 cks. or 10 bbls. or over, works..lb. .07 - —
5 cks. or 9 bbls. or less, works..lb. .07¼- —
Bifluoride, bbls.....lb. .12 - —
Bisulphate (see Niter cake).
Bisulphite, powd., bbls., c.l., works..100 lbs. 3.25 - 3.35
l.c.l., works.....100 lbs. 3.50 - 3.60
solution, 32 deg., bbls., c.l., works..100 lbs. 1.30 - —
l.c.l., bbls., works.100 lbs. 1.55 - —
33 deg., bbls., c.l., works. 100 lbs. 1.35 - —
l.c.l., bbls., works.100 lbs. 1.60 - —
35 deg., bbls., c.l., works. 100 lbs. 1.40 - —
l.c.l., bbls., works.100 lbs. 1.65 - —
40 deg., bbls., works.100 lbs. 1.55 - —
l.c.l., bbls., works.100 lbs. 1.80 - —
Bromide, U.S.P., gran., bbls., 500 lbs..lb. .31 - —
fiber dms.. 100 lbs.....lb. .32 - —
Cacodylate, bots., 5 lbs.....lb. 6.32 - —
jars, 25 lbs.....lb. 6.50 - —
Carbonate (see Soda ash, soda menohydrated soda, sal)
Caustic, flake, 76%, 1, grd., powd., ammon. process, bbls., c.l., works..100 lbs. 2.70 - —
dms., c.l., works....100 lbs. 2.70 - —
l.c.l., Zone 1....100 lbs. 3.55 - 4.90
2 .....100 lbs. 3.70 - 5.05
3 .....100 lbs. 3.95 - 5.30
4 .....100 lbs. 4.35 - 5.70
electro process, dms., c.l., works..100 lbs. 2.70 - —
l.c.l., same zone prices as ammonia process.
liquid, 47-49% buyer's tanks, tanks, works..100 lbs. 1.95 - —
seller's tanks, works..... 100 lbs. 1.97½- —
70%, buyer's tanks, works, 100 lbs. 1.97½- —
seller's tanks, works..... 100 lbs. 2.00 - —
solid, 76%, ammon. process, dms., c.l., works..100 lbs. 2.30 - —
l.c.l., Zone 1....100 lbs. 3.15 - —
2 .....100 lbs. 3.30 - —
3 .....100 lbs. 3.55 - —

Soda caustic, electro process, dms., c.l., works..100 lbs. 2.30 - —
l.c.l., same zone prices as ammon. process.
Caustic soda l.c.l. prices are on the same basis as those for soda ash. The same zones are also the same.
Chlorate, dom., cryst., bgs., c.l., works..lb. .06¼- —
l.c.l., works.....lb. .06½- .06
powd., bgs., c.l., works..lb. .06½- —
l.c.l., works.....lb. .07 - .06½
Citrate, U.S.P., VIII, gran., bbls..225 lbs. .20 - —
cns., 50 lbs.....lb. .22 - —
25 lbs.....lb. .24 - .25
kgs., 100 lbs.....lb. .21 - —
U.S.P. X, gran., bbls., 250 lbs. lb. .26½- —
cns., 50 lbs.....lb. .28½- —
25 lbs.....lb. .30½- .31¼
kgs., 100 lbs.....lb. .27 - —
powd., bbls., 250 lbs.....lb. .27 - —
cns., 50 lbs.....lb. .29 - —
25 lbs.....lb. .31 - .32
kgs., 100 lbs.....lb. .28 - —
Cyanide, 96-98%, dom., dms..lb. .16½- .17¼
import., cs.....lb. .16¼- .17
Fluoride, white, 90%, bbls., c.l., f.o.b. Phila..lb. .07¼- —
l.c.l., 10 or over, same basis..lb. .07½- —
5-9, same basis.....lb. .08 - —
1-4, same basis.....lb. .08¼- —
95%, bbls., c.l., same basis. lb. .07½- —
l.c.l., 10 or over, same basis..lb. .07¾- —
5-9 same basis.....lb. .08¼- —
1-4, same basis.....lb. .08½- —
Soda fluoride prices at Los Angeles are f.a.s. Phila.

Soda, glycerophosphate, N. F., cryst., bbls., 1,000-lb. lots..lb. 1.00 - —
smaller lots.....lb. 1.15 - —
cns., 25 lbs.....lb. 1.40 - —
powd., bbls., 1,000-lb. lots, lb. 1.05 - —
smaller lots .....lb. 1.20 - —
cns., 25 lbs. .....lb. 1.45 - —
Hydrosulphite, bbls..... lb. .16 - .17
Hydroxide, USP, sticks, cns., 160 lbs...lb. .23 - .24
Hypophosphite, N.F., cns... 100 lbs..lb. .67 - —
Hyposulphite, cryst., large, bbls., 100 lbs. 2.40 - 2.65
pea, bbls. .....100 lbs. 2.50 - 3.05
gran., bbls. .....100 lbs. 2.75 - 3.30
Iodate, jars.....lb. 5.02 - 5.07
Iodide, jars .....lb. 1.90 - 1.95
Mandelate, bots., 5 lbs.....lb. 3.30 - —
jars, 25 lbs. .....lb. 3.20 - —
Metanilate, kgs.....lb. .41 Nom.
Metasilicate, cryst., bbls., c.l., gran., bbls., c.l., works, 100 lbs. 2.15 - —
l.c.l., dlvd.....100 lbs. 2.60 - 2.80
Molybdate, tech., anhyd., kgs., lb. No prices.
cryst., kgs.....lb. No prices.
Monohydrated, bbls.....100 lbs. 2.00 - —
works .....100 lbs. 2.30 - —
Naphthenate, bbls.....lb. .19 - —
Naphthionate, bbls.....lb. .52 - .54
Nitrate, crude, c.l., 100-lb. bgs., Nov.-June dlvy, f.o.b. cars producing point or ports, rail or boat shipment..ton.29.00 - —
200-lb. bgs., same basis, ton.28.30 - —
bulk, same basis.....ton.27.60 - —

Soda, nitrate, rfd., gran., bbls., 25..100 lbs. 2.25 - —
6-24 .....100 lbs. 2.40 -
1-4 .....100 lbs. 2.65 - —
powd., bbls., ton lots....lb. .05⅞ -
smaller lots .....lb. .06¼- —
Nitrite, 96-98%, dom., bbls., c.l., works, frt. equalized..lb. .07 - —
c.l., West Coast, f.o.b. t.o.b. ports..lb. .08¼- —
l.c.l. .....lb. .08½- .11⅛
Soda nitrite l.c.l. price range represents delivery at various points.
Soda, oxalate, neut., bbls.....lb. .09 - —
kgs .....lb. .11 - —
Perborate, N.F., bbls., c.l., works..lb. .14¾- —
l.c.l. works.....lb. .15¼- —
Phosphate, dibasic, tech., bgs., , c.l., works..100 lbs. 1.70 - —
l.c.l., works.....100 lbs. 1.95 - —
bbls., c.l., works...100 lbs. 1.90 - —
l.c.l., works.....100 lbs. 2.10 - —
monobasic, anhyd., bbls., c.l. 100 lbs. 7.51 - —
l.c.l. .....100 lbs. 8.35 - —
tribasic, bgs., c.l., works 100 lbs. 1.85 - —
l.c.l., works.....100 lbs. 2.25 - —
bbls., c.l., works...100 lbs. 2.05 - —
l.c.l., works.....100 lbs. 2.45 - —
kgs., c.l., works....100 lbs. 2.55 - —
l.c.l., works.....100 lbs. 2.95 - —
Picramate, kgs.....lb. .65 - —
Prussiate, yellow, bbls., works, lb. .10 - .11¼
Pyrophosphate, anhyd., bbls.lb. .10 - —
cryst., bbls.....lb. .09½- —
Ricinoleate, tech., bbls.....lb. .12 - —

Soda Caustic—Sulphur

Soda, sal, bgs., dlvd., N.Y.... 100 lbs. 1.20 - —
works .....100 lbs. 1.00 - —
bbls., dlvd. N. Y.....100 lbs. 1.30 - —
works .....100 lbs. 1.10 - —
Salicylate, bxs.....lb. .52 - —
Sesquisilicate, dms., c.l., works, 100 lbs. 3.00 - —
20 dms. and up, delvd.N.Y.C. 100 lbs. 3.65 - —
5-19 dms.....100 lbs. 4.10 - —
1-4 dms.....100 lbs. 4.30 - —
Silicate, 40° turbid, dms., c.l., works..100 lbs. .80 - —
l.c.l., 5 or more, works, 100 lbs. 1.05 - —
1-4, works.....100 lbs. 1.20 - —
Soda, silicate, 52° dms., c.l., works..100 lbs. 1.25 - —
l.c.l., 5 or more, works, 100 lbs. 1.60 - —
1-4, works.....100 lbs. 1.75 - —
Silicofluoride, dom., bbls....lb. .05¾- .06
import, bbls.....lb. .05¾- .06
Stannate, dms.....lb. .28½- .31½
Stearate, lump, powd., bbls., works..lb. .24 - —
Sulphate, anhyd., bgs., bbls., c.l., works..100 lbs. 1.45 - 1.65
5 tons or over, works, 100 lbs. 1.70 - 1.90
less than 5 tons, works, 100 lbs. 1.95 - 2.15
cryst. (see Glauber's salt).
Sulphite, cryst., bbls., c.l., works..100 lbs. 2.25 - —
l.c.l., 5 tons or over, dlvd. 100 lbs. 2.75 - —
less than 5 tons, dlvd. 100 lbs. 3.00 - —
solid, bbls., c.l., works.100 lbs. 3.00 - —
l.c.l., 5 tons or over, dlvd. 100 lbs. 3.50 - —
less than 5 tons, dlvd. 100 lbs. 3.75 - —
bgs., works.....100 lbs. 2.10 - 2.35
bbls. .....100 lbs. 2.30 - 2.55
powd., bbls., c.l.....100 lbs. 2.25 - —
l.c.l., 5 or more...100 lbs. 5.50 - —
1-4. .....100 lbs. 6.00 - —
Sulphocarbolate, cs.....lb. .27 - .32
Sulphocyanide, dms., cns....lb. .28 - .47
Sulphoricinoleate, bbls.....lb. .12 - —
Thiosulphate (see hyposulphite)
Tungstate, CP., kgs.....lb. No prices
tech., kgs.....lb. No prices
Solvent naphtha, high-flash, dms., works, frt. equald. gal. .36 - —
tanks, same basis.....gal. .31 - —
water-white, dms., works.gal. .35 - —
tanks, E. of Omaha, frt. alld..gal. .30 - —
W. of Omaha, works.gal. .30 - —
Sorbitol, com'l, syrup, dms., basis sorbitol cont., works. lb. .25 - —
Sparteine sulphate, cns.....oz. 1.10 - 1.15
Spearmint leaves, bls.....lb. .20 - .22
Spikenard root, bls.....lb. .14 - .15
Spruce extract, bbls., works...lb. .01½- —
tanks, works.....lb. .01 - —
powd., bgs.....lb. .04¼- —
super, bbls., works.....lb. .01⅞- —
tanks, works.....lb. .01⅝- —
Squawvine leaves, bls.....lb. .17 - .19
Squill, red, bls.....lb. .14 - .15
White, bls.....lb. .07 - .08
powd., bbls., bxs.....lb. .12 - .13
St. Ignatius beans, bgs.....lb. .45 - .50
St. John's bread, bls.....lb. .08¼- .09
Starch, corn,, pearl, bgs..100 lbs. 3.08 - 3.28
powd., bgs.....100 lbs. 3.18 - 3.38
Iodide, bots.....lb. 1.87 - —
Potato, dom., bgs.....lb. .05½ Nom.
import, bgs.....lb. .05½ Nom.
Rice, bbls.....lb. .07¼ Nom.
Wheat, thick boil, bbls.....lb. .07 Nom.
Staveacre seed, bgs.....lb. .17 - .18
Stearin, oleo, bbls.....lb. .08½- .08¾
Stillingia root, bls.....lb. .09½- .10
Stoneroot, bls.....lb. .09 - .09¼
Storax, cs.....lb. .48 - .49
Stramonium leaves, bls.....lb. .11 - .12
Seed, bgs.....lb. .09 - .10
Strontium bromide, fib, dms..lb. .57 - .58
kgs., 150 lbs.....lb. .55 - —
Carbonate, pure, bbls.....lb. .30 - .31
Strontium, iodide, jars, 25 lbs..lb. 2.70 - —
bots., 5 lbs.....lb. 2.76 - —
Nitrate, dom., bbls., c.l., works..lb. .07¾- —
25 bbls. and over.....lb. .08¼- —
1-4 bbls. and over.....lb. .08¾- —
import, bbls.....lb. .08½- .09
Strophanthus seed, Kombe, bgs.lb. 1.30 - 1.35
Strychnine, cryst., cns.....oz. .48 - .51
powd., cns.....oz. .38 - .41
Acetate, cns.....oz. .64 - —
Arsenate, cns.....oz. .68 - —
Arsenite, cns.....oz. .64 - —
Glycerophosphate, cns.....oz. .65 - —
Hydrochloride, cns.....oz. .64 - —
Hydrophosphite, cns.....oz. .75 - —
Nitrate, cns.....oz. .58 - —
Phosphate, cryst., cns.....oz. .65 - —
Sulphate, cryst., cns.....oz. .42 - .45
powd., cns.....oz. .53 - .55
Styralyl acetate, bots.....lb. 6.75 - 7.00
Sucrose octa - acetate, denat. grade, bbls., l.c.l., works..lb. .45 - —
tech., bbls., l.c.l., works....lb. .40 - —
Sugar coloring, bbls.....gal. .75 - 1.10
Milk, bbls, c.l.....lb. .15 - —
l.c.l., 10 or over.....lb. .16 - —
less than 10.....lb. .17 - —
Sulfanilamide, 5 lb. bots.....lb. 2.20 - —
fib., dms., 1,000 lbs., 1 delivery. lb. 1.25 - —
100 lbs.....lb. 1.80 - —
Sulphonethylmethane, kgs.....lb. 6.75 - 6.80
Sulphonmethane, kgs.....lb. 5.25 - 5.30
Sulphur, crude, bulk, 1,000 tons, mines, contracts,long ton.18.00 - —
c.l., spot, nearby, long ton.21.00 - —
ex vessel, Balto., N. Y., Phila., Southern ports, long ton.22.00 -25.00
Bost., Portland..long ton.22.50 -26.50
flowers, bgs., c.l., works.100 lbs. 3.00 - —
bbls., works.....100 lbs. 3.25 - —
l.c.l., bgs., works..100 lbs. 3.25 - 3.75
bbls, wks.....100 lbs. 3.70 - 4.10
refined, broken, bgs., c.l., works..100 lbs. 2.15 - —
bbls., works.....100 lbs. 2.30 - —
l.c.l., bgs., works..100 lbs. 2.50 - 2.90
bbls., works.....100 lbs. 2.65 - 3.05
flour, com'l., bgs., c.l., works, 100 lbs. 1.95 - —
bbls., c.l., works..100 lbs. 1.95 - —
l.c.l., bgs., works..100 lbs. 1.95 - 2.25
bbls., works.....100 lbs. 2.80 - 2.70
extra fine, bgs., c.l., works. 100 lbs. 2.85 - —
bbls., works....100 lbs. 3.20 - —
heavy, bags., c.l., works. 100 lbs. 2.55 - —
bbls., works....100 lbs. 2.90 - —
l.c.l., bgs., works..100 lbs. 2.90 - 3.30
bbls., works....100 lbs. 3.25 - 3.65
light, bgs., c.l., works..... 100 lbs. 2.65 - —
bbls., works....100 lbs. 3.00 - —
l.c.l., bgs., works..100 lbs. 3.00 - 3.40
bbls., works....100 lbs. 3.35 - 3.75
rock, virgin, bbls., c.l., works, 100 lbs. 2.30 - —
l.c.l., bbls., works.100 lbs. 2.15 - —

Since 1885 .. a dependable source of supply

Stauffer

Stauffer CHEMICALS

SULPHUR

The words "Stauffer" and "Sulphur" have become virtually synonymous in industry—for Stauffer Chemical Company is the oldest and largest refiner of Sulphur in the world. Since 1885 we have been constantly experimenting, improving our products and discovering new uses. The following complete list of Sulphurs are now available for immediate delivery:

Rubber Compounding—Wettable—Dusting—Sublimed Velvet Flowers—Light and Heavy Refined—Refined Roll (stick)—Commercial Flour—Special Refined Salt Block—Refined Lump.

OTHER STAUFFER PRODUCTS

BORIC ACID : CARBON TETRACHLORIDE : BORAX : TITANIUM TETRACHLORIDE : CAUSTIC SODA : SULPHUR CHLORIDE : SILICON TETRACHLORIDE : CREAM OF TARTAR SULPHURIC ACID : CARBON BISULPHIDE : TARTARIC ACID : WHITING

STAUFFER CHEMICAL COMPANY

624 California St., San Francisco, Cal. • 2710 Graybar Bldg., New Yo k, N. Y. • Freeport, Texas • Rives-Strong Bldg., Los Angeles, Cal. • Carbide and Carbon Bldg., Chicago, Ill. • 424 Ohio Bldg., Akron, Ohio • Apopka, Florida

Sulphur—V.M.&P. Naphtha

Sulphur roll, bgs., c.l., works, 100 lbs. 2.35 - —
bbls., works....100 lbs. 2.60
l.c.l., bgs., works..100 lbs. 2.70 - 3.10
bbls., works....100 lbs. 2.85 - 3.25
Chloride, 55-gal. dms., c.l...lb. .03 - —
l.c.l., dms., works.....lb. .04 - —
10-gal. dms., c.l.....lb. .07 - —
l.c.l. .....lb. .08 - —
Dioxide, liq., com'l, cyls., works..lb. .07 - .09
multi-unit cars, works..lb. .04½- .07
tanks, works .....lb. .04 - .06
refrigeration, cyls., works.lb. .16 - .40
multi-unit cars, works..lb. .07½- .10
Iodide bots., jars.....lb. 3.80 - 3.85
Sumac, grd., Silician, bls....ton.61.00 - —
leaf, bales.....ton.66.00 - —
Extract, 42°, bbls.....lb. .05½- .06½
51°, bbls.....lb. .06½- .08½
stainless, bbls.....lb. .08½- .09¼
Sunflower seed, Calif., large, bgs., lb. .05½- .05½
medium, bgs.....lb. .05¼- .05¾
poultry, bgs.....lb. .05 - .05½
Superphosphate, guaranteed, 16%, bulk, f.o.b. cars, boat, Balto. ton. 9.00 - —
run-of-pile, basis 16%, bulk, same basis..ton. 8.50 - —
triple, 44-48%, a.p.a., bulk, f.o.b. Balto..unit-ton. .85 Nom.

T

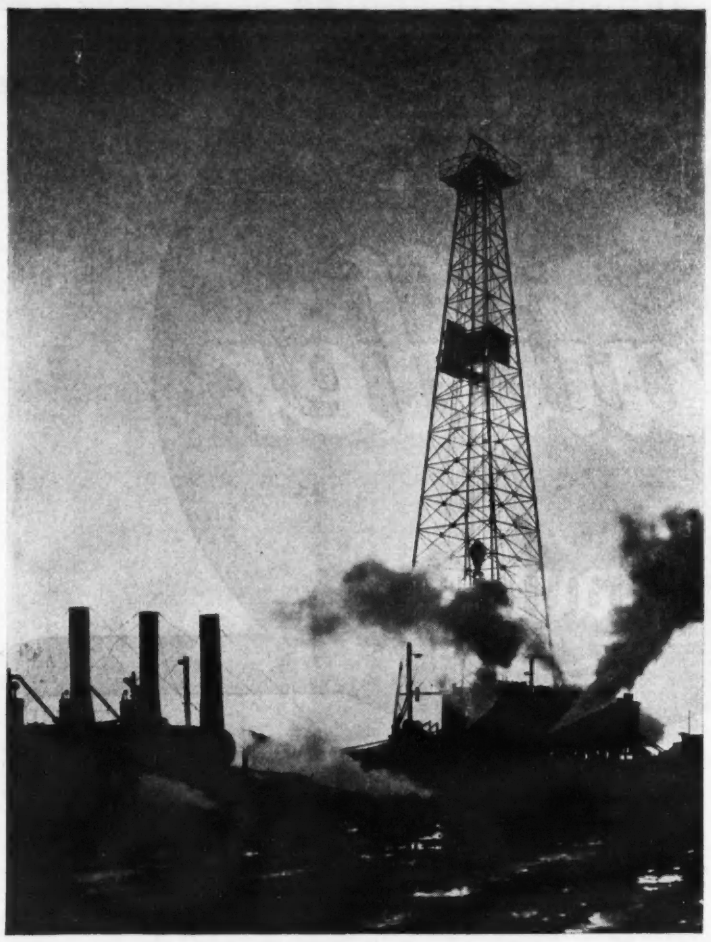
Talc, dom., Calif., 1, bgs., c.l., mills..ton.20.00 - —
2, bgs., c.l., mills.....ton.17.00 - —
N.Y., fibrous, 98-94%, 325 mesh, bgs., c.l., mills. ton.14.00 - —
l.c.l., mills.....ton.16.00 - —
Talc, dom., N. Y., fibrous, 90.95%, 325 mesh, bgs., c.l., mills..ton.15.00 - —
l.c.l., mills.....ton.17.00 - —
98-99¼%, 325 mesh, bgs., c.l., mills..ton.15.25 - —
l.c.l., mills.....ton.17.25 - —
90.85-90.95% 325 mesh, bgs., c.l., mills..ton.17.00 - —
coarse, off color, bgs., c.l., mills..ton.11.00 -13.00
Ohio, alum-magn. type, grd., bgs., c.l., mills..ton.21.00 - —
l.c.l., mills.....ton.24.00 - —
Vermont, bgs., c.l., mills.ton.14.00 - —
l.c.l., ex whse.....ton.26.00 - —
Import, Canad., bgs., c.l., dlvd..ton.28.00 - —
l.c.l., dlvd.....ton.28.50 - —
French, high-grade, bgs, l.c.l., ex whse..ton.45.00 -60.00
ordinary, bgs., c.l., ex dock, arrival..ton.23.00 -25.00
l.c.l. ex whse.....ton.27.50 -32.50
Italian, 1, bgs., ex dock, arrival..ton.65.00 -67.00
ex whse.....ton.85.00 - —
2, bgs., ex dock, arrival.ton.60.00 -62.00
Tallow, animal, edible, bbls...lb. .07 Nom.
extra, loose, works.....lb. .06¼- —
special, loose, works.....lb. .05½- .05¾
sulphonated 35% (24% fat), dms., c.l..lb. .07 - —
l.c.l. .....lb. .07½- —
50% (43% fat), dms., c.l..lb. .07½- —
l.c.l .....lb. .08 - —
50% (48% fat), dms., c.l..lb. .08 - —
l.c.l .....lb. .08½- —
Tamarinds, W. I., bbls.....lb. .06 - .06½
kegs .....keg. 5.00 - 5.25
Tankage, animal, dom., grd., -10-12%, ammon., 15-20% b.p.l., bulk.....unit-ton. 3.00 & .10
unground, 9-11% ammon., 15-20% b.p.l., bulk..... unit-ton. 2.80 & .10
Tankage, fertilizer grade, 10-11% ammon., 15-20% b.p.l., bulk, Chicago..unit-ton. 2.75 & .10
high-grade feeding, bulk, Chicago..unit-ton. 2.85 & .10
import., S. Amer., 10-12% ammon., 15% b.p.l., bulk, c.i.f. ports, shipt. unit-ton. 3.35 & .10
Tansy leaves, bls.....lb. .18 - .20
Tapioca flour, bgs.....lb. .03¼- .03½
Tar acid oil, 15%, dms., c.l., works..gal. .22½- —
l.c.l., same basis.....gal. .25½- —
25%, dms., c.l., works....gal. .26½- —
l.c.l., same basis.....gal. .29½- —
Pine, retort, dms., c.l., dlvd. E. cities..gal. .26 - —
dlvd. ports.....gal. .25 - —
l.c.l. .....gal. .26 - —
tanks, dlvd. E. cities....gal. .20 - —
Tartar emetic tech., fine gran., bbls., 5 or more..lb. .26¾- —
less than 5.....lb. .27 - —
powd., bbls., 5 or more..lb. .26¾- —
less than 5.....lb. .27 - —
USP, powd., bbls.....lb. .32 - .32½
Terebene, cns.....lb. .70 - .75
Terpinyl acetate, cns.....lb. .80 - 1.00
Terpin hydrate, kgs.....lb. .45 - .46
Terpineol, CP, cns.....lb. .26 - —
dms. .....lb. .23 - —
Terpineol, alpha, denat. grade, dms., c.l., wks., net wgt..lb. .17 - —
Terra alba (see Gypsum).
Tetrachloroethane, dms.,works.lb. .08 - .08½
Tetrachloroethylene, CP, dms..lb. .21½- —
tech., dms.....lb. .10½- —
Tetralin, dms.....lb. .12 - —
Thallium sulphate, 99% pure, dms. works..lb. 7.25 - 7.50
Theobromine, cns.....lb. 1.85 - 1.95
Sodiosalicylate, cns.....lb. 1.65 - 1.75
Thiocarbanilide, dms.....lb. .20 - —
Thorium nitrate, cs., works...lb. 2.00 - —
Thyme, French, bls.....lb. .19 - .20
Thymol, bots., 100 lbs.....lb. 1.65 - —
smaller lots.....lb. 1.70 - 1.95
Iodide, kgs., 50 lbs.....lb. 3.15 - 3.20
25 lbs.....lb. 3.25 - 3.30
Timbo root, powd., imp't., 5% rotenone, bbls., ex-dock, approved assay, 15 tons, lb. .26 - —
5 tons, same bases....lb. .27 - —
4% rotenone prices 5c. per lb., less.
Tin crystals, bbls., kgs.....lb. .34 - .34½
Metal, Straits.....lb. .41¾- —
Oxide, bbls.....lb. .50 - .52
Tetrachloride, anhyd., bbls...lb. .21¼- —
Titanium, dioxide, bgs., c.l. (20 tons), E. frt. alld..lb. .16 - —
Pac. cst., f.o.b. terminals, lb. .16 - —
l.c.l., 1,000-39,999 lbs., E. dlvd..lb. .16½- —
Pac. cst., ex whse...lb. .16½- —
50-999 lbs., E. dlvd.....lb. .16¾- —
Pac. cst., ex whse....lb. .16¾- —
under 50 lbs., E. dlvd..lb. .19 - —
Pac. cst., ex whse....lb. .19 - —
bbls., c.l., (20 tons) E., frt. alld..lb. .16¼- —
l.c.l., 1,000-39,999 lbs., E. dlvd..lb. .16¾- —
50-999 lbs., E. dlvd.....lb. .17 - —
phthalate-treated, bgs., c.l., (20 tons) E. frt. alld..lb. .24 - —
Pac. cst., f.o.b. terminal.....lb. .24 - —
l.c.l., 1,000-39,999 lbs., E. dlvd..lb. .24½- —
Pac. cst., ex whse...lb. .24½- —
50-999 lbs., E. dlvd...lb. .24¾- —
Pac. cst., ex whse...lb. .24¾- —
under 50 lbs.....lb. .27 - —
bbls., c.l. (20 tons) E., frt. alld..lb. .24¼- —
l.c.l., 1,000-39,999 lbs., E. dlvd..lb. .24¾- —
50-999 lbs., E. dlvd...lb. .25 - —
pigment, barium, calcium, or magnesium base, bgs., c.l., E. frt. alld.....lb. .05¾- —
Pac. cst., f.o.b. terminal. lb. .05¾- —
l.c.l., E. dlvd.....lb. .06½- —
Pac. cst., ex whse...lb. .06½- —
under 50 lbs., E. dlvd.lb. .06¾- —
bbls., c.l., E., frt. alld...lb. .06½- —
l.c.l., E. dlvd.....lb. .06¾- —
Tolidin base, kgs.....lb. .88 - .90
distilled, kgs.....lb. .95 - 1.00
Tolu, balsam, cns.....lb. .48 - .50
Toluidin, mixed, dms.....lb. .26 - —
Toluol (toluene), pure, dms., works..gal. .35 - —
tanks, E. of Omaha, frt. alld. gal. .30 - —
W. of Omaha, works....gal. .30 - —
Tonga vine, NF, bls.....lb. .28 - .30
Tonka beans, Angostura, cks..lb. 2.50 - 2.60
Triacetin, dms.....lb. .36 - —
Triamyl borate, dms., l.c.l., works..lb. .27 - —
Triamylamine, dms., c.l., works, lb. .77 - —
l.c.l. works.....lb. .80 - —
Tributylamines, dms., l.c.l., works lb. .70 - —
Trichloroethylene, dms., c.l., works, frt. alld. E. of Rockies..lb. .089 - —
W. of Rockies.....lb. .099 - —
l.c.l., works, frt. alld., E. of Rockies..lb. .094- —
W. of Rockies.....lb. .104 - —
Tricresyl phosphate, CP, cns., dlvd..lb. .42 - .53
dms., c.l., dlvd.....lb. .36 - —
500 lbs., dlvd.....lb. .39 - —
tech., 1, cn., dlvd.....lb. .30 - .41
dms., c.l., dlvd.....lb. .26½- —
500 lbs., dlvd.....lb. .27 - —
2, cns., dlvd.....lb. .28 - .39
dms., c.l., dlvd.....lb. .24½- —
500 lbs., dlvd.....lb. .25 - —
Triethanolamine, dms., c.l., works, lb. .21 - —
l.c.l., works.....lb. .22 - —
tanks, works.....lb. .20 - —
Triethyleneglycol, dms., l.c.l., works..lb. .26 - —
Triphenyl phosphate, dms....lb. .34 - .38
Tripoli, air-floated, bgs., c.l., works..ton.26.00 - —
double-grd., bgs., c.l., works, ton.16.00 - —
once-grd., bgs., c.l., works..ton.14.50 - —
Trisodium phosphate (see Soda phosphate, tribasic).
Tungsten metal, powd., 98%, dms., lb. No prices
99%, dms.....lb. No prices
Oxide, CP, kgs.....lb. No prices
tech., kgs.....lb. No prices
Turmeric root, Alleppey, bgs..lb. .05½- .06
Madras, bgs.....lb. .06¼- .07
Turpentine, spirits, gum, bbls., c.l., ex dock..gal. .32½- —
l.c.l., 10, ex dock.....gal. .34½- —
5, ex dock.....gal. .36½- —
wood, dest.-dist., dms., c.l., dlvd, E. cities, ports...gal. .36 - —
l.c.l., same basis...gal. .38 - —
tanks, dlvd. E. cities gal. .33 - —
steam-dist., dms., c.l., dlvd.gal. .30 - —
l.c.l., dlvd.....gal. .33 - —
tanks, dlvd.....gal. .25 - —

U

Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium oxide, kgs.....lb. 1.50 - —
Urea, dom., 46 + % N, bgs., 5 tons, f.o.b. Atl. ports or Belle, W. Va..ton.95.00 - —
smaller lots, f.o.b. Belle, W. Va..ton.95.00 - —
f.o.b. N. Y.....ton.101.00 - —
import, 46% N. bgs., 5 tons, f.o.b. Atl., Gulf ports or Belle, W. Va., shipt.ton.95.00 - —
smaller lots, f.o.b. N. Y. from whse.101.00 - —
pure, cs. .....lb. .14½- .15½
Urea-ammonia liquor 55% ammon., tanks, f.o.b. Belle, W. Va., or Atl. Gulf ports. NH_3 unit. 1.04 - —
Uva ursi leaves, bls.....lb. .12 - .13

V

Valerian root, bls.....lb. .12 - .13
Valonia, beards, bgs., shipt..ton.52.00 - —
Cups, bgs., shipt.....ton.35.00 - —
Vanilla beans, Bourbon, tins..lb. 3.40 - 4.00
Mexican, tins.....lb. 4.25 - 4.50
cut, tins.....lb. 4.00 - 4.25
South American, tins.....lb. 4.00 - 4.25
Vanillin, ex eugenol, 25-lb. tins, lb. 3.10 - —
5-lb. tins.....lb. 3.20 - —
Vanillin, ex guaiacol, 10c. per lb. less.
Venice turpentine, true, cs....lb. .42 - .44
Verdigris, bbls., kgs.....lb. .24 - .30
Violet, methyl, toner (see M).
V.M.P. naphtha (see petroleum naphtha, v.m.p.).



Drilling rig in Texas coastal field. Natural gas is burned in the boilers.

Oil lines Texas pockets with over one and a quarter million dollars per day!

During the year 1936, Texas received for its 426,000,000 barrels of oil a total of $470,000,000; that figures out at more than one and a quarter million dollars of revenue for each day of the year. And it is a true revenue, for by far the largest part of that money goes into Texas pockets—as wages, as lease and royalty payments, as taxes, for materials, supplies and services.

Production is the major oil activity in Texas. The state contains 50% of the proven oil reserves in the United States; and last year its production was 40% of the total United States figure, which is a little more than the second and third ranking oil states combined.

Manufacturing facilities have a capacity of approximately 70% of production, or of about 925,000 barrels of oil per day. The refineries are scattered, but by far the heaviest concentration is along the coast: in such cities as Port Arthur, Beaumont, Houston, Texas City, Corpus Christi; Houston, for example, has refineries capable of handling 280,000 barrels of oil per day—about 30% of Texas' total refining capacity.

But what does all this mean to you and your industry?

If you are a manufacturer of the equipment and supplies the Texas oil industry uses, it means that it furnishes you with an annual market of about a quarter billion dollars. If you are a manufacturer of articles with a mass appeal, it means that in Texas, oil presents you with a market of about a million people jingling over $300,000,000 per year of wages, lease money and royalties in their pockets.

Oil, however, is only the most important of the Texas resources. Texas also boasts salt, lime, cattle, cotton and cotton linters, sulphur, wool and mohair, vegetables, fruits, clays of various kinds, carbon black, timber, metallic and non-metallic ores. For fuel, there are inexhaustible supplies of natural gas*.

All these resources, including oil, find their chief industrial utilization on the Texas coast. This area is served by first class rail, highway and water transportation facilities; it has a climate which is mild the year 'round; and it offers sound industrial enterprises a hearty cooperation.

Investigate the Texas coast country for your own company. We will gladly assist you: on request we will prepare for you, without cost or obligation, a comprehensive, reliable survey of South Texas, individualized to your company's particular needs. Your request for this service will be kept in strictest confidence. Address Houston Pipe Line Company, Petroleum Building, Houston, Texas.

* Our 650-mile system of natural gas pipelines runs through the heart of the coastal oil country, supplying fuel for drilling, pumping and refinery operations, and for many other industrial uses.

HOUSTON PIPE LINE CO.
Subsidiary of Houston Oil Company of Texas
GEO. A. HILL, JR., President
Wholesalers of Natural GAS

W

Wahoo root bark, bls.....lb. .55 - .57
Tree bark, bls.....lb. .25 - .26
Wattle bark, bgs., shipt.....ton.41.75 -43.75
Extract, bbls.....lb. .04⅝- —
Wax, bayberry, import, bgs...lb. .16⅝- .17
Bees, white, bleach, slabs, cs., 500 lbs. .39 - .45
yellow, crude, Africa, bgs., lots of 10..lb. .25½- .26
1 bg.....lb. .26 - .26½
Brazil, Chile, bgs., 5-10 tons..lb. .29½- .30
1 ton.....lb. .30 - .30½
500 lbs.....lb. .30½- .31
100 lbs.....lb. .31 - .31½
refd., slabs, cs., lbs...lb. .35 - .39
Candelilla, bgs., 1 ton.....lb. .14 - .14½
jobbing lots.....lb. .14½- .15
Carnauba, No. 3, bgs., chalky, 1 ton..lb. .34½- .35
5 bgs.....lb. .35 - .35½
1 bg.....lb. .35½- .36
N. C. 2, bgs.....lb. .39 - .40
N. C. 3, bgs., 1 ton.....lb. .35½- .36
5 bgs.....lb. .36 - .36½
1 bg.....lb. .36½- .37
refined, bgs.....lb. .40 - .40½
yellow, No. 1, bgs., 1 ton..lb. .44 - .44½
5 bgs.....lb. .44½- .45
1 bg.....lb. .45 - .45½
No. 2, bgs.....lb. .43 - .43½
Ceresin, dom., 138°-140° m.p., bgs., 1 ton..lb. .08½- —
jobbing lots.....lb. .09½- —
150°160° m.p., bgs., 1 ton.lb. .09½- —
jobbing lots.....lb. .10½- —
160° m.p., bgs., 1 ton.....lb. .10½- —
jobbing lots.....lb. .11½- —
Japan, cs.....lb. .10¾- .11
Wax, Montan, bgs., c.l.....lb. .11 - —
5 tons.....lb. .11¼- .11⅝
less than 1 ton.....lb. .11½- .12
Ozokerite, hard green, congeal p. 66°-68° C., bgs..lb. .62 Nom.
70°-72° C., bgs.....lb. .35 Nom.
74°-76° C., bgs.....lb. .38 Nom.
Ozokerite, snow-white, pure 76°-78° C., bgs..lb. .45 - .46
yellow, natural, 76°-78° C., bgs..lb. .35 - .36
Paraffin (see P).
Spermaceti, blocks, cs.....lb. .23 - .24
cakes cs.....lb. .24 - .25
White lead (see Lead, white).
White pine bark, rossed, bls...lb. .06 - .06½
White precipitate, powd., bots. 5 lbs..lb. 1.89 - —
dms., 50 lbs., or more..lb. 1.76 - —
Whiting, chalk, com'l., dry-grd., bip. bgs., c.l., works.ton.12.00 - —
l.c.l., works.....ton.14.00 - —
bbls., c.l., works.....ton.15.00 -16.50
l.c.l., works.....ton.17.00 - —
pap. bgs., c.l., works.ton.11.20 -13.50
l.c.l., works.....ton.13.20 -14.50
wet-grnd., bip., bgs., c.l., works..ton.14.50 -15.00
l.c.l., works.....ton.15.00 -15.00
bbls., c.l., works.....ton.17.00 -18.00
gilder's bolted, bip. bgs., c.l., works..ton.15.00 - —
l.c.l., works.....ton.16.00 - —
bbls., c.l., works.....ton.18.00 -19.50
l.c.l., works.....ton.19.00 -20.00
pap. bgs., c.l., works.ton.14.60 -15.50
l.c.l., works.....ton.15.60 -16.50
extra bolted, bip., bgs., c.l., workston.15.00 - —
l.c.l., works.....ton.16.00 - —
bbls., c.l., works.....ton.18.00 -22.50
l.c.l., works.....ton.19.00 -22.00
pap. bgs., c.l., works.ton.14.60 -17.50
l.c.l., works.....ton.15.60 -18.50
Whiting, chalk, Paris white, bip., bgs., c.l., works..ton.15.00 - —
l.c.l., works.....ton.16.00 - —
bbls., c.l., works.....ton.18.00 -24.00
l.c.l., works.....ton.19.00 -25.00
pap. bgs., c.l., works..ton.14.60 -20.00
l.c.l., works.....ton.15.60 -21.50
English cliffstone (see Whiting, chalk, Paris white).
limestone, air floated, 99.75%, 250 mesh, paper bgs., c.l., works..ton. 9.35 - —
99.75% 200 mesh, paper bgs., c.l., same basis.ton. 8.60 - —
90% 200 mesh, paper bgs., c.l., same basis..ton. 6.25 - —
gilders, bgs. (extra), c.l., works..ton.11.50 - —
l.c.l., 8-20 tons, works.ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
extra, bgs., (extra), c.l., works..ton.12.50 - —
l.c.l., 8-20 tons, works. ton.13.50 - —
4-8 tons, works.....ton.14.50 - —
2-4 tons, works.....ton.15.50 - —
putty grade, bgs. (extra), c.l., works..ton.11.00 - —
l.c.l., 8-20 tons, works.ton.12.00 - —
4-8 tons, works.....ton.13.00 - —
2-4 tons, works.....ton.14.00 - —
water-floated, bgs. (extra), c.l., works..ton.11.50 - —
l.c.l., 8-20 tons, works.ton.12.50 - —
4-8 tons, works.....ton.13.50 - —
2-4 tons, works.....ton.14.50 - —
Precipitated, bgs., c.l., works. ton.15.00 - —
l.c.l., 5 tons, works....ton.20.00 - —
smaller lots, works...ton.25.00 - —
Wild cherry bark, thick, natural, bls..lb. .04½- .06
rossed, bls.....lb. .06½- .07
thin, natural, bls.....lb. .06½- .07
rossed, green, bls.....lb. .10 - .11

Wahoo Rt.—Zinc Chloride

Wild indigo root, bgs.....lb. .09 - .10
Witch-hazel extract, dist., NF, bbls..gal. .40 - .45
Leaves, bls.....lb. .08 - .08½
Witherite (see Barium carbonate, natural).
Woodflour, dom., fine, bgs., extra, c.l., works..ton.25.00 - —
standard, bgs., c.l., works.. ton.20.00 - —
import, 40-60 mesh, bgs., ex dock..ton.20.00 - —
70-80 mesh, bgs., ex dock.ton.22.00 - —
100 mesh, bgs., ex dock...ton.27.00 - —
120 mesh, bgs. ex dock...ton.33.00 - —
Wormseed, American, bgs....lb. .10 - .11
Levant, bgs... .....lb. 3.90 - 4.00
Wormwood, bls.....lb. .09 - .10

X

Xylol (xylene), comi., dms., works..gal. .35 - —
tanks, E. of Omaha, frt. alld., gal. .30 - —
W. of Omaha, works...gal. .30 - —
nitration tanks, E. of Omaha, frt. alld...gal. .41 - —
W. of Omaha, works....gal. .41 - —
5°, dms., works.....gal. .41 - —
tanks, E. of Omaha, frt. alld., gal. .36 - —
W of Omaha, works....gal. .36 - —
10°, dms., works.....gal. .38 - —
tanks, E. of Omaha, frt. alld., gal. .33 - —
W. of Omaha, works....gal. .33 - —
Xylidin, mixed, dms.....lb. .35 - .36

Y

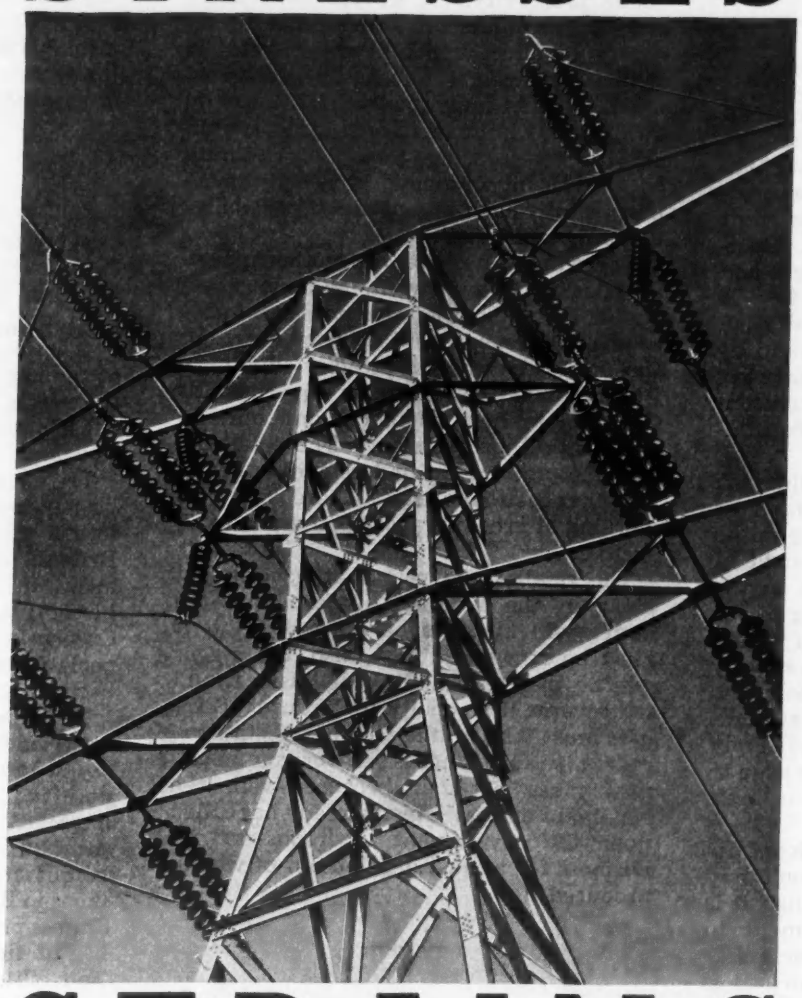
Yara yara, cryst., cns.....lb. 1.25 - 1.50
Yellow, cadmium, CP, import., bxs..lb. 1.80 - 2.00
lithopone, all shades, bbls., 1 ton, works, frt. alld.lb. .51 - —
smaller lots, same basis, lb. .56 - —
kgs., ton lots, same basis.lb. .56 - —
smaller lots, same basis, lb. .61 - —
sulphide, orange, bbls., works, lb. 1.50 - 1.60
Chrome, CP, bbls., dlvd. N. of Tenn. and N.C., E. of Miss. R., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts..lb. .14½- —
open order.....lb. .15½- —
Chrome yellow CP prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Tex., (Dallas, Ft. Worth, 1½c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; ½c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Dutch pink, bbls.....lb. .09 - .11
Hansa, bbls., same basis, chrome..lb. 1.37 - —
Mercury oxide (see M).
Ocher, Amer., golden, A, bbls., works..lb. .06¼- —
B, bbls., works.....lb. .04½- —
C, bbls., works.....lb. .03½- —
yellow, A, bbls., works...lb. .02¾- —
B, bbls., works.....lb. .02½- —
C, bbls., works.....lb. .02 - —
D, bbls., works.....lb. .0195- —
E, bbls., works.....lb. .01775- —
F, bbls., works.....lb. .01½- —
G, bbls., works.....lb. .01¼- —
H, bbls., works.....lb. .01⅛- —
French, all shades, cks., c.l., ex dock, Balto, Boston, N. Orleans, for import. lb. .02475- —
New York (f.o.b.)..lb. .02⅝- —
Philadelphia, for import..lb. .02¾- —
Portland, Seattle...lb. .03- —
San Pedro, S. Francisco..lb. .0290- —
l.c.l., ex dock, Balto., Boston, N. Orleans. lb. .02575- —
New York.....lb. .02½- —
Philadelphia, for import..lb. .02¾- —
Portland, Seattle..lb. .03¼- —
San Pedro, S. Francisco..lb. .03 - —
ex whse., Balto., Boston, N. Orleans..lb. .02725- —
Chicago, E. St. Louis, Ind'polis, K. City, Milwauk., St. Louis, lb. .03⅝- —
Minneapolis .....lb. .03½- —
New York.....lb. .02¾- —
Pittsburgh .....lb. .03¼- —
Portland, Seattle..lb. .03⅝- —
San Pedro, S. Francisco..lb. .03¼- —
f.o.b. N. Y. from dock. lb. .02⅝- —
from whse.....lb. .02½- —
Oxide, nat., bbls., c.l., f.o.b. Bethlehem Easton, N. Y., lb. .04½- —
l.c.l., same basis.....lb. .04¾- —
synth., bbls., c.l., works...lb. .06⅝- —
l.c.l., works.....lb. .07 - .07¼
Persian orange (see O).
Zinc, bbls., same basis chrome CP, contracts..lb. .18 - —
open order.....lb. .19 - —
Yellow dock root, bls.....lb. .10 - .11
Yellow root (xanthoriza), bls..lb. .09 - .10
Yerba santa leaves, bls.....lb. .10 - .11
Yohimbine hydrochloride, vls..oz. 2.50 - 2.55

Z

Zinc, acetate, USP., bbls., 250 lbs..lb. .27 - —
kgs., 100 lbs.....lb. .29 - —
Arsenate, bgs., cs., c.l., dealers, E. of Rockies..lb. .10½- —
l.c.l., bgs., cs.....lb. .11 - —
Arsenate, bgs., cs., c.l., dealers, west of Rockies.lb. .10½- —
l.c.l. bgs., cs.....lb. .11 - —
Zinc arsenate and arsenite price are works or whse. basis, frt. alld. to dest. in lots of 96 lbs. or over; no frt. or truck, allowance for plant or whse. pick-up.
Carbonate, tech., bbls.....lb. .14 - .15
USP. precip., powd., bbls. lb. .31 - —
dms. .....lb. .30 - —
kgs. .....lb. .33 - —
Chloride, fused, dms., c.l., works..100 lbs. 4.25 - —
l.c.l., works.....100 lbs. 4.60 - —
gran., dms., c.l., works... 100 lbs. 5.00 - —
l.c.l., dms., works.100 lbs. 5.75 - —
solution, dms., works....lb. .04½- —
tanks, works.....lb. .0225- —
gran., U.S.P., dms., 200 lbs.. lb. .25 - —
jars, 25 lbs.....lb. .31 - —

(Continued on page 61)

STRESSES



STRAINS

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Oil, Paint and Drug Reporter

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Lifting the Tax Burden

The movement grows in Congress to bring up revision of the revenue act, particularly with respect to taxes on business, in the current special session. Business should get behind this movement and stay behind it, pushing vigorously. It should, indeed, have got in the van of such a movement many months ago; should by now have had ready for Congress a new tax bill that more closely approached a reasonable tax burden and an equitable distribution of it.

There can be neither a reasonable tax burden nor an equitable distribution of whatever burden is imposed as long as the system of taxing some for the benefit of others persists. There is no gain in the necessary or the reserve purchasing power of the whole people in a process of taxing consumers of agricultural products, directly or indirectly, to increase the income of the agricultural portion of the people. This process is mere bookkeeping; and it simply shifts the red ink entries from one page to another, usually with an increase in their number and total amount.

Taxation is a business problem. Its fundamental rule should be:—Don't buy what you can't pay for. Some things, it is true, it is necessary for government to "buy" at some times when the possibility of funding their purchase is remote. It is very desirable that the volume of such "buying" be reduced to a minimum. But reductions will be difficult, and the immediate problem is to raise the money for what must be bought. In this connection, business can be—and it should be—of real help to government. The proffering of its services has been somewhat delayed, but it is not yet too late.

The very desirable revision of the taxing of surplus profits must be undertaken in a businesslike manner. All the circumstances must be studied and applied; for difficulties and dissatisfactions must attend the setting up of a specific exemption, whatever the amount, or of an ad valorem, or percentage, exemption. The proper exemption would be one that primarily took into consideration the purpose for which the profits were to be used. It is possible to spend several million dollars with distinct economic benefit, or to "reserve" a few thousands unnecessarily.

Business Faces a Test

Private enterprise—a sort of high-toned designation for business—is again being asked by the Federal administration to take up the task of restoring economic prosperity. The present request differs in tone and somewhat in purpose from similar, earlier proposals. Perhaps this connotes some faith in the ability and willingness of business to provide stability, as well as prosperity, in the economic community.

Less is being said now than formerly about economic reform as a prerunner of recovery, or even collateral therewith. But the purpose of reform has not been abandoned—the existence of a necessity for a certain measure of reform cannot be denied. It is probable that some insight into the heart of business has been gained in governmental circles, and that, as a result, there is a feeling that business will work out reforms which it knows and admits to be necessary in a more wholehearted spirit if it is allowed to determine the method and the procedure.

It is clear that business will be the largest gainer from the restoration of economic prosperity. It should be equally clear that business will gain most if the recovery to effect which it collaborates is stable, as well as profitable—tomorrow must be of as much concern as today to business. It is imperative that, in assuming the self-improving task of restoring and stabilizing economic prosperity, business be fully cognizant of the responsibility that this will entail.

Government has tried its methods; business has helped somewhat. When business applies its methods a large measure of government assistance will be necessary, but the necessity should steadily diminish. Business must have faith in government's intention to help as much, and only as much, as will be necessary. There must be a perfect and honest understanding of the part that each is to play. There can be no working at cross-purposes if there is to be success.

The smaller the part that government plays in the recovery undertaking, the better will business be pleased. But, it must be recognized that, also, the bigger will be the responsibility of business and the severer the penalty for failure. Business must take up the task of effecting recovery because it needs recovery; and business must not fail because—well, the National Farmers' Union already has called upon the government to "repossess" all business for a "just distribution of wealth produced."

—O-P-D—

Bargaining With Britain

Negotiation of a tariff bargain with Great Britain is reported to be near. Desirable as such an agreement may seem, even in a strictly commercial sense with no regard for the more or less theoretical and idealistic amity of democratic and one-language peoples, its actual value to the people of this country is far less than definite. This fact is not unknown to American business, and that knowledge is reflected in the resolution now before Congress, which calls for deferring of the proposed pact.

Many fundamental questions and many of lesser status but at least equal importance attach to the making of a tariff bargain with Great Britain. These questions apparently are better understood by British business and the British public than they are in the United States. And Britons are more outspoken than Americans in their criticism of governmental economic programs. They are also experienced in propaganda for international effect, a condition which may account in part for the talk of late about Britain's making some sort of payment on its debt to this country.

Great Britain is a very good buyer of American goods; it is also one of the best markets for the goods of many other countries, its imports in the first nine months of this year amounting to more than £740,000,000, and exceeding its exports by more than £350,000,000. This unfavorable trade balance is not a matter of great concern in Britain. In the first place, its imports originate in large part in divisions of the British Empire. In the second place, the imports, as well as the exports, re-exports, and transshipments, are largely carried by British shipping.

It is for the last reason that there is a strong sentiment in Great Britain against a tariff bargain which would grant even the shorter end of the benefits of concessions to the United States as long as this country subsidizes its shipping in competition with that of Britain. This is an aspect of the bargaining proposal that has had very little mention in this country. It may have a very strong influence on the terms of the bargain and may not be the least of the aspects as these may affect congressional attitudes.

—O-P-D—

Carbon Black For Shoes

Not all that is relevant to the practical working of a tariff bargain is stated in the bond. Much of it may be wholly overlooked in the most open discussions that are a part of the negotiation. There is, for example, the matter of swapping the United States out of its carbon black trade with Czechoslovakia.

The Czechoslovak tariff bargain has been largely lost sight of in the greater interest in the proposal of a bargain with Great Britain. But there is something to think about in the establishment of a carbon black plant in Roumania by the big Czechoslovak shoe manufacturer that expects to be benefited substantially by the bargain with the United States.

The shoe manufacturer, whose technical experience was got in American factories and whose machinery was largely made or designed in the United States, is also a manufacturer of tires. Naturally it uses a substantial quantity of carbon black. This manufacturer has a desire to sell more shoes in Roumania, as well as in the United States; probably it can sell a goodly number of tires, also, in the former country. To facilitate payment for these goods it has set up a plant in Roumania for the production of its requirements of carbon black.

What portion of the carbon black imported into Czechoslovakia is used by the manufacturer of shoes and tires is, of course, problematical. But the United States has been selling a substantial quantity of carbon black in Czechoslovakia, such exports in the first eight months of this year amounting to 1,089 metric tons, or approximately 79 percent of that country's total importations. The extent to which this trade will be adversely affected by the big shoe manufacturer's Roumanian venture remains to be seen.

Meanwhile the shoe industry of New England is sorely beset to find a means of improving its condition. It has just held a "war council" with a view of curbing imports from Czechoslovakia. These imports are not increasing the sale of American carbon black, and it is quite doubtful that a tariff bargain will do so.

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Glass, Clay Groups Ask 44-Hour Law Exemption

Exemptions under the Pennsylvania 44-hour week law were asked by representatives of clay, glass and stone industries, and mines and quarries, at a hearing in Harrisburg, November 16.

T. C. Matthews, of the Pennsylvania Glass Sand corporation, and B. H. Miller, of the Mifflin Sand Company, requested exemptions for their companies on the plea that industrial demand affects the labor situation. George C. Stewart and A. L. Basquiere, of the Franklin Glass Corporation, asked permission for a six-hour day, seven-day week, because of the continuous operation of their glass furnaces. C. R. Dieble, of Knox Associates, wanted to work his employees five hours on Saturday instead of the four hours set by law. He also asked variations to permit emergency repair to equipment without having to use additional employees.

The Corning Glass Works, through Thomas Wood, jr., asked permission for employees to work 48 hours a week, with maintenance and repair men on a seven-day basis. R. G. George, of the W. S. George Pottery Company, asked that employees of the industry, of which there are only two in the state, be allowed to work more than 44 hours during the peak season. Brick and tile manufacturers asked a maximum workweek of 48 hours, and Pennsylvania-Dixie Cement Corporation asked exemptions to permit the corporation to work six hours a day for six days a week.

Manus McHugh, for the Bituminous Concrete Association, manufacturers of road surfacing materials, said the industry would like exemptions to permit workers to put in as many as 72 hours a week during the peak season of road construction.

Metallurgical Engineers Elect Jackling President

The American Institute of Mining and Metallurgical Engineers has elected the following officers:—President, Daniel C. Jacklin, president of the Utah Copper Company, and director and chairman of the operating committee of the Kennecott Copper Corporation; vice-presidents, Paul D. Merica, vice-president of the International Nickel Company, and Wilfred Sykes, assistant to the president of the Inland Steel Company. Directors, H. T. Hamilton, assistant to the president of the New York Trust Company; W. E. McCourt, vice-chancellor of the George Washington University; LeRoy Salsich, president of the Oliver Iron Mining Company, Duluth; H. Y. Walker, vice-president of the American Smelting & Refininfi Company; Henry D. Wilde, manager of the technical department of the Humble Oil & Refining Company, and William Wraith, vice-president of the Inspiration Consolidated, Andes Copper, and Greene-Cananea copper mining companies.

Hercules Elects New Directors

At its regular monthly meeting the Hercules Powder Company, Wilmington, Del., elected four new members to the board:—W. R. Ellis, general manager, explosives department; Lloyd Kitchel, general manager, Virginia cellulose department; P. W. Meyeríngh, manager, foreign relations department; and E. B. Morrow. Mr. Morrow, who resigned his position as secretary of the company, also was elected a member of the finance committee. H. F. Smith, secretary to the president, was elected secretary of the company. These elections bring the total membership of the Board of Directors to sixteen.

Chemical Salesmen Meet

The Salesmen's Association of the American Chemical Industry held its first Fall luncheon at the Chemists Club, this city, November 23. Francis J. McDonough, of the New York Quinine & Chemical Works, addressed the gathering on quinine, tracing its origin and its wide usage. DeWitt Thompson, of the Mathieson Alkali Works, this city, secretary of the association, reported that final plans were being made for the annual Christmas party, to be held in Hotel Pennsylvania, December 28.

Atlantic Refining Company reports it has acquired a 75 percent interest in the East Texas oil properties of the Petroleum Corporation of Venezuela.

Heavy Chemicals

Further Slackening in General Demand—Calcium Chloride Advanced—Oxalic Acid Unchanged for 1938—Blue Vitriol Lower —Alkalies Continue Firm—Boric Acid Prices Renewed

Business in the market for industrial chemicals continued dull during the week just closed. The dull character of the call reflected further contraction in production schedules of industries consuming chemicals. However, interest of sellers was concerned mainly with writing 1938 contracts. Changes in the market included an advance in calcium chloride and a reduction in the various copper derivatives and antimony metal.

Reports from the various industrial centers told of contraction in production, caused by a lessened demand, together with labor unsettlement. Some divisions of the glass industry were reported to have shut down plants for a short period, and word from Akron and Detroit reported labor unsettlement in rubber tire industry and in the automobile plants. Steel mill operations were lower. The lighter trades, including the textile and tanning industries, noted curtailment in operations. Calcium choride schedules was revised upward. Copper derivatives mirrored the drop in the basic metal. Tin salts were steady. The steadiness in the tin salts reflected the decline in the basic metal. Alkalies continued firm. Schedules on alumina chloride, crystals and solution have been renewed. Soda sulphide has also been extended. Boric acid prices were repeated for the first six months. Oxalic acid is unchanged.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Calcium chloride, 50c. to $1.50 per ton.

Reduced

Antimony metal, ½c. per lb.
Blue vitriol, 25c. per 100 lbs.
Copper carbonate, ½c. per lb.
oxide, black, ½c. per lb.

Comparative Values

Index numbers compiled from twelve typical chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
154.3	154.3	154.3	153.3

Index numbers compiled from twelve typical acids on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
99.7	99.7	99.7	99.4

Market news that may have developed after this report was sent to press will be found on page 4.

Alumina Chloride.—Price for crystals and for the solution has been extended to cover 1938 commitments.

Alums.—Demand for commercial and iron-face alum continued highly irregular during the week just closed. Manufacturing consumers were covering for immediate production requirements only. There was little to report in the market for ammonia and potash alums. Quotations were steady.

Ammonia, Anhydrous. — Producers were making final plans for the offering of contracts beginning November 29, and will continue their drive for 1938 business until the termination of December, contracts being written uniformly 1½c. per pound below the spot price.

Ammonia, Aqua.—There was little to report in this market again last week aside from the fact that sellers were busily engaged in writing 1938 business. Prices displayed a steady to firm tone.

Ammonia, Bicarbonate.—Demand was slow against current contracts. Sellers continued their drive for contracts. Prices displayed a firm tone at the levels in force previously.

Antimony.—Price for antimony metal was reduced ½c. per pound to 15c. per pound. Business continued slow.

Arsenic.—The market for white arsenic continued at an irregular pace throughout the week, sellers holding to previous prices. The call for red arsenic was quiet. No change was disclosed in quotations.

Barium Salts.—There was a good call in evidence for barium chloride throughout the week, sellers holding firmly to previous values. Prices for carbonate continued steady. There was little to report in the market for hydrate and nitrate of barium.

Bleaching Powder.—Continuance of a good demand was reported in this market again last week. Sellers reported prices were firm, and considerable progress has been made in booking business for next year.

Blue Vitriol.—A decline in the basic metal price resulted in a downward revision in price for copper sulphate. Sellers were quoting car lots on the basis of $4.50 per 100 pounds.

Calcium Chloride.—An upward revision in prices ranging from 50c. to $1.50 per ton has been made in the nation-wide schedule for calcium chloreflected a decline in the basic metal. ride. The new schedule lists burlap bags and drum car lots, delivered, $23.50 to $36.50 per ton; paper bags, $23 to $36 per ton; less car lots, $1.68 to $2.43 per 100 pounds. Liquor prices remain unchanged. Solid material is listed at $21.50 to $34.50 per ton for car lots, and less car lots, $1.68 to $2.33 per 100 pounds.

Chlorine.—A decidedly firm tone continued in prominence for this product throughout the week. Usual consumers supplied the call. Sellers were booking tankcar chlorine at previous levels.

Copper.—All leading copper producers in domestic market have reduced price of their copper 1c. a pound to 11c. a pound, delivered Connecticut Valley base, thus meeting the custom smelter level that has been in effect since Friday, November 5. Following the reduction from 12c. a pound to 11c. a pound by leading primary producers of copper in the domestic dealings, one major custom smelting source reduced its price of copper from 11c. a pound to 10¾c. a pound, delivered Connecticut Valley base.

Copper Salts.—Prices for copper carbonate were reduced ½c. per pound to 15¾c. to 16¾c. per pound, and a reduction was also noted in black copper oxide.

Copperas.—A fair call was in evidence in this market again last week, sellers reported quotations were firm. Steel mill operations were lower at 31 percent of capacity.

Glauber's Salt.—Demand was fair. Prices continued firm for 1938 shipments. Glauber salt, owing to its water of crystallization, contains only about 44 percent as much pure sodium sulphate as an equal weight of anhydrous sodium sulphate. Since the rates on gross weight are equal, the cost of transporting sodium sulphate in the form of Glauber salt is approximately double that shipped in the form of anhydrous sodium sulphate. The lower transportation costs for anhydrous sodium sulphate are only partially offset by the cost of dehydrating it, an expense not incurred in the production of Glauber salt. However, Glauber salt is more readily soluble than anhydrous sodium sulphate, and for that reason it is preferred by consumers in the textile and tanning industries who are willing to pay a higher prices for it than for an equivalent quantity of anhydrous sodium sulphate. These conditions determine very largely the particular form of refined sodium sulphate that a given plant will produce. Concerns located in the North Atlantic, Middle Atlantic and North Central States, relatively near the consuming markets, tend to produce Glauber salt instead of anhydrous sodium sulphate. Concerns in the Western States, which must ship their product a considerable distance to the consuming market, tend to produce anhydrous sodium sulphate. Some concerns in the Western States produce Glauber salt but virtually all of their output is consumed for medicine for livestock. Although large quantities could be produced from the deposits of crude sodium sulphate in the Western States, little, if any, Glauber salt is produced there for industrial consumption in the Central and Eastern States because of the cost of transporting it to such distant markets.

Imports of Glauber salt have declined steadily in the last decade; in 1935 they supplied approximately 1.5 percent of the total quantity of Glauber salt used

Current prices on heavy chemicals are given in the alphabetical list of prices beginning on page 7

A. C. DRURY & CO., Inc., INTERNATIONAL MERCHANTS
Chemicals - Essential Oils - Synthetics - Bouquets
Talc - Clay - Waxes
219 East North Water Street Phone Superior 5940 Chicago, Ill.

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Imported CRYOLITE 98/100% Snow White
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LIQUID CAUSTIC SODA
TANK TRUCKS—DRUMS
Local delivery tank truck service throughout the Metropolitan New York area.
JOSEPH TURNER & COMPANY
RIDGEFIELD, N. J.
83 EXCHANGE PL. PROVIDENCE
630 FIFTH AVE., NEW YORK
40TH ST. & CALUMET CHICAGO

FINEST QUALITY
BICARBONATE OF SODA
SAL SODA (Carbonate of Soda Crystals)
MONOHYDRATE OF SODA
PIONEER WASHING SODA
CHURCH & DWIGHT CO.
70 PINE STREET Phone Digby 4-2181 NEW YORK CITY

SOLVENTS—CHEMICALS AND FINE ALCOHOLS
COMMERCIAL SOLVENTS CORPORATION
NEW YORK CENTRAL BUILDING, NEW YORK, N. Y.

POTASSIUM METABISULPHITE
DELIVERIES FROM SPOT STOCKS
JUNGMANN & CO.
INCORPORATED
157 CHAMBERS STREET
TEL. BARCLAY 7-5128-30 NEW YORK CITY

TRI-BASIC COPPER SULPHATE
COPPER CARBONATE
TENNESSEE CORPORATION
ATLANTA, GA.—LOCKLAND, O.
IN FLORIDA, U.S. PHOSPHORIC PRODUCTS CORP., TAMPA

BLUE VITRIOL
IRVINGTON SMELTING & REFINING WORKS
IRVINGTON NEW JERSEY
NEW YORK OFFICE 30 CHURCH ST.

in the United States, according to a survey by the Tariff Commission.

Lead Acetate.—Prices have been extended for early 1938 requirements, sellers reporting progress being made in writing business for next year.

Potash Carbonate.—There was little to report in this market. Producers were busily engaged in renewing contracts for the various sorts of carbonate of potash other than liquid material, the price for which is fractionally higher.

Potash, Caustic.—This product continued to experience a fair demand. Prices were steady to firm.

Potash, Chlorate.—The call from the match manufacturers and from other routine channels of consumption held up fairly well. Prices ruled steady at previous levels.

Saltcake.—Business in this direction held up fairly well considering the general trend of business. Quotations displayed a firm tone.

Soda Ash.—A fair buying movement was reported in this market again last week. Producers continued to center their interest on writing 1938 business, a substantial portion of the tonnage having been reported about closed. Prices ruled firm.

Soda, Caustic.—A good demand was reported at intervals during the week. Prices ruled firm. Sellers were writing 1938 business. Prices were holding firm.

Soda Cyanide.—The plating trade continued to withdraw a fair amount of business against contracts. Prices were unchanged.

Soda Sulphate, Anhydrous.—Prices were steady. Demand was good at times. Until 1934 very little anhydrous sodium sulphate was produced from natural deposits in the Western States. In that year one concern began to manufacture anhydrous sodium sulphate in conjunction with saltcake and potash from natural deposits at Searles Lake, Calif. The output of anhydrous sodium sulphate from this source is shipped by an almost all-water route to the Atlantic seaboard for use in the textile dyeing industry. Having a higher value per ton than saltcake, anhydrous sodium sulphate can bear transportation charges from California to the Atlantic seaboard more easily than can saltcake. In 1935 production of anhydrous sulphate from natural deposits was begun in Texas. Imports of anhydrous sodium sulphate have been appreciably larger since 1929 than in earlier years. The domestic production of anhydrous sodium sulphate has also increased appreciably since 1929, the upward trend in both cases being due, apparently, to a partial shift in consumption from Glauber salt to anhydrous sodium sulphate because of the lower cost of transporting the latter product and because of its lower price per unit of sulphate. In 1935 imports supplied approximately one-fifth of the total domestic consumption of anhydrous sodium sulphate, according to a survey by the Tariff Commission.

Soda Sulphide.—Prices have been extended to cover early 1938 requirements, demand was fair.

Tin Salts.—Prices appeared slightly improved for tin derivatives as a result of a better price tone in the basic product. International Tin Committee reports that exports of tin during October on the part of reporting members to the cartel were as follows:—Malaya 5,248 tons, Dutch East Indies 3,804 tons, Siam 1,301 tons, Belgian Congo 645 tons, and Nigeria 915 tons. Bolivian October output is not reported as yet. In September, tin exports by the above countries were:—Malay 8,445 tons, Dutch East Indies 3,059 tons, Siam 1,370 tons, Belgian Congo 900 tons, Nigeria 715 tons and Bolivia 2,338 tons. World consumption of tin in the year ended September last totaled 177,443 tons, against 159,669 tons in the preceding year. World visible stocks in October decreased by 204 tons to 21,828 tons, compared with 17,975 tons in October, 1936.

Acids

Business in the market for mineral acids continued at a fair pace throughout the week. Quotations remained firm. The outstanding developments in this market included the release of the boric acid schedule for the first half of 1938, the contract carrying a clause to the effect that any revision in freight will be for the account of the buyer. It was also reported that sellers of acetic acid had eliminated the lime acetate clause in 1938 contracts. This clause provided for any increase or decrease in price for lime acetate, the price for acetic acid would be adjusted accordingly. Muriatic acid was steady to firm. Sulphuric acid demand reflected the general tendency of the heavier industrial units to curtail operations. Oxalic acid is unchanged for next year.

Acetic.—Prices ruled firm. Sellers continued their drive for 1938 contracts. A development of interest in the 1938 contracts is the omission of the lime acetate clause, which clause read to the effect that with every change in the price of lime acetate the price schedule for the various strengths of acetic acid will be revised proportionally.

Battery.—A fair buying movement was reported in this market. Quotations ruled firm.

Boric.—Prices have been extended for the first six months of 1938, the contracts carrying a clause to the effect that any revision in the freight rate will be for the account of the buyer.

Chromic.—Shipments were moving out at a favorable pace. Prices ruled firm. The increase costs for the basic product tending to give the market a firm tone.

Formic.—Nothing new was uncovered in this market during the week. Prices ruled firm.

Lactic.—Business in this direction continued to be carried on a conservative basis, producers were engaged in

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PRODUCTS

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Caustic Soda
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Nitrite of Soda
Liquid Chlorine
Calcium Chloride
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Liquid—Flake—Ground—Solid—Lump
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Para-dichlorobenzene
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FORMIC ACID
85% and 90% Strengths
Noted for its purity, uniformity and stability. Will not darken when exposed to light. Will not cloud up when diluted. Free from sulphates and chlorides.
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MAGNESIUM FLUOSILICATE
CALCIUM FLUOSILICATE
ZINC FLUOSILICATE
FLUORINE PRODUCTS Division of Sterling Products Company Easton, Pa.

writing 1938 business, prices for which represent an extension of the current schedule.

Muriatic.—A decidedly firm tone prevailed in this market throughout the week, shipments were moving out in good volume.

Nitric.—This market displayed a firm tone again last week, the call was irregular. A good volume of business has been written for 1938.

Oxalic.—Prices have been repeated for 1938, the schedule has the usual quarterly adjustment clause.

Sulphuric.—This market continued to experience an irregular demand throughout the week. Prices ruled firm, and further progress was reported to have been made in booking 1938 business. Steel mill operations were at 31 percent of capacity, a decline from the preceding period.

BALTIMORE, Nov. 23.—With decided quiet prevalent in the market for sulphuric acid, the producers report that the figures heretofore quoted remain in effect, they being $12 per ton for 60 degree and $15 per ton for 66 degree acid. For 98 degree acid the figure mentioned is $16 per ton. Oleum stands at $17 per ton for 20 percent supplies, both pyrites and brimstone. Muriatic acid is stated to have recorded an advance in the last month of $5 per ton for 22 degree stocks, and there has been an increase of $1.50 per ton on 20 degree muriatic acid. The contracts for acid are usually made some time during December by the big consumers, with the producers said to be holding the market firm and the supply about equal to the demand, which latter is affected by the uneventfulness in the fertilizer trade at this time and by the lessened requirements of steel makers especially.

Insecticides

Business in the market for agricultural insecticides and fungicides continues quiet. Prices were firm. The value of insecticides imported into the Philippine Islands in 1936 was approximately $30,000, of which 60 percent came from the United States. This appears to have been made up mainly of liquid household insecticides. Imports of agricultural insecticides have been negligible, the Bureau of Plant Industry being about the only user. The sugar industry has relied on parasites rather than insecticides, the latter being hard to apply in a cane field excepting by airplanes. It is not believed that insecticides applied that way would be very efficient against any type of borer that affects sugar cane. For tobacco, calcium arsenate is generally used, mixed with powdered gogo, a product of cassava, or with ordinary road dust.

Coconut trees are occasionally sprayed with calcium or lead arsenate. Nicotine has also been tried. Rice is affected by root-rot and other plant diseases but apparently not much by insects. With abaca, manual methods are used rather than insecticides. The Bureau of Plant Industry is experimenting with various insecticides to combat the bollweevil and bollworm, which affect cotton, not a very important crop as yet. Corn is affected by borers and other insects, but insecticides have not been much used. Fruit and vegetables other than those mentioned are grown only in a small way by Japanese gardeners around Baguio. They purchase a moderate amount of insecticides from hardware stores, but the business is small.

Locust, a recurrent plague for which the Government makes specific appropriations from time to time, is fought by mixing calcium or lead arsenate with bagasse and molasses. Greater results, however, have been obtained by employing contractors to catch the locusts to sell for food and some sugar growers contend that at the present time a sack of locusts is worth more than a sack of sugar. Increasing interest is being shown in the production of derris root, primarily for export, but the Bureau of Plant Industry is experimenting with the use of derris root as a dusting agent for spray, according to the trade commissioner at Manila.

Calcium Arsenate.—A fair demand was reported in this market again last week. Prices ruled firm. For territory west of and including Idaho, Utah and New Mexico, car lot price was listed at 6¾c. per pound and less car lots at 7c. per pound.

Lead Arsenate.—Business continued irregular, consumers confining needs to actual wants. For territory west of and including Idaho, Utah and New Mexico, price for car lot was listed at 13c. per pound and less than car lots at 13¼c. per pound.

Lime Sulphur Solution.—Price schedule for New York, New England, Pennsylvania, Delaware, Virginia, West Virginia and North Carolina counties of Ashke, Allegheny, Stocks, Surry and Rockingham lists tankcars at 8½c. per gallon; 50 gallon drums, 11c. per gallon; 30 gallon drums, 15c. per gallon; 5 gallon drums, 45c. per gallon.

Rumford Gold Medal Is Awarded Dr. Coblentz

Dr. William Weber Coblentz, chief of the radiometry section of the National Bureau of Standards, Department of Commerce, has been awarded the Rumford gold medal by the American Academy of Arts and Sciences, for his work as a "pioneer in the technology and measurement of heat and light." He has specialized in the measurement of ultra-violet radiation, a subject of great importance in medicine and industry.

His most recent achievement was the automatic recording of intensity of ultraviolet radiation in the stratosphere, for which he used a balloon upon which a radio sending set and a small metering device were attached. The unmanned balloon ascended to altitudes as great as 80,000 feet.

Cliftona Print & Dye Works, Clifton, N. J., has been ordered liquidated by Federal Judge Guy L. Fake on application of the company's attorney. The company was formed in 1936 and has been unable to straighten out financial difficulties involving liabilities of $186,816.82. Its assets are listed at $79,911.92.

N.A.I.D.M. Convention Program for Dec. 6-7

(Continued from page 5)

Campbell, associate professor of entomology, the Ohio State University, Columbus. (Illustrated).

Address, "Insecticide Standards"—Official Control Insecticide, by Dr. Alfred Weed, of John Powell & Co., New York city, chairman, committee on methods of testing insecticides.

Address, "Insecticide specifications," by H. A. Thomas, of the Shell Petroleum Company, St. Louis; chairman, general insecticide committee, Department of Agriculture, Washington, will be present and take part in the discussion.

Address, "New Effective Organic Insecticides," by Dr. N. Tischeler and Arno Viehoever, director of research, Philadelphia College of Pharmacy and Science, Philadelphia.

Address, "Is Cube Equal to Derris as an Insecticide?" by Dr. R. C. Roark, Bureau of Entomology and Plant Quarantine, Department of Agriculture, Washington.

Address, "A Modification of the Peet-Grady Method Enabling Greater Speed and Accuracy," by Dr. W. A. Simanton and A. C. Miller, of the Gulf Research & Development Company, Pittsburgh. Presented by Dr. Simanton.

Address, "Relation of Dosage and Mortality in the Poet-Grady Procedure of Evaluating Liquid Insecticides," by C. A. Murray, director of research, Baldwin Laboratories, Inc., Saegertown, Pa.

Address, "Insecticide Literature and Patents," by John Curlett, McCormick & Co., Inc., Baltimore, chairman of committee.

Address, "Labeling of Fly-Sprays in California," by W. J. Zick, Stanco, Inc., New York City.

Report of Nominating Committee.

Luncheon.

2:00 P.M.

Meeting called to order.

Presiding, President Eddy and Mr. Breen.

Announcements.

Report of Resolutions Committee.

Discussion of proposed model for insecticide and fungicide law, by L. S. Hitchner, president of the Agricultural Insecticide and Fungicide Association, New York city.

Address, "Control of Advertising as Applied to Insecticides," by Leo Bristol, president, of the Bristol-Myers Company, New York city.

Address, (Subject to be announced), by Professor W. C. McTavish, chairman of the division of chemistry, New York University, Washington Square College, New York city.

Address, "Disinfectant Standards and Specifications," by J. L. Brenn, chairman, General Disinfectant Committee.

Address, "Specifications," by Jack Varley, Baird & McGuire Inc., St. Louis.

Address, "Cresylic Disinfectants," by Dr. E. G. Klarmann, of Lehn & Fink Inc., Bloomfield, N. J.

Address, "Pine Oil Disinfectants," by Melvin Fuld, of Fuld Brothers, Baltimore.

Election of Officers.

Unfinished Business.

Final Adjournment.

7:30 P.M.

The annual association dinner will be held at the Hotel Biltmore at 7:30 P.M. This will be preceded by a cocktail party starting at 6:00 P.M.

Just as the modern ocean liner inspires the confidence of thousands of passengers, so do Diamond Alkalies enjoy the confidence of thousands of critical alkali buyers throughout industry.

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Go to the Chemical Show: There You Will See—

Abbe Engineering Company—Booth 33—will exhibit grinding and mixing equipment.

Paul O. Abbe, Inc.—Booth 287—will present an educational exhibit emphasizing mill and mixer operations.

Acme Steel Company—Booths 427 and 428—will display the methods of package reinforcement and shipment bracing with steel strap.

Air Reduction Sales Company—Booth 90—(See U. S. Industrial Alcohol Company).

Alsop Engineering Corporation—Booths 321 and 322—will display an assortment of fillers, filters, mixers, agitators, and tanks.

Aluminum Company of America—Booths 70 and 71—will show articles and uses of aluminum of interest to the chemical industry.

Aluminum Ore Company—Booths 70 and 71—will show samples of bauxite, activated alumina and a variety of other aluminum derivatives.

American Doucil Company—Booths 308 and 309—(See Philadelphia Quartz Company).

American Seitz Filter Corporation—Booths 556 and 557—will exhibit its new Hercules and other filtering systems. A transparent filter will show the actual working of alluvial filtration.

H. Reeve Angel & Co.—Booth 241—will display Whatman analytical and Angel industrial filter papers; a new Whatman filter paper of great wet strength, which can be washed repeatedly, will also be shown.

Ansul Chemical Company—Booth 81—(See Electro-Chemical Supply & Engineering Company).

Atlas Electric Devices Company—Booths 510 and 511—will demonstrate accelerated testing equipment.

Atlas Powder Company—Booth 46—will exhibit mannitol and sorbitol, recently introduced polyhydric alcohols; Darco activated carbons; Revolite coated fabrics; nitromannite detonating compound; and Zatex delustering material.

Bakelite Corporation—Booth 17—will exhibit the complete line of Bakelite resins, including a new polystyrene thermoplastic.

Bausch & Lomb Optical Company—Booths 483 and 484—will display an assortment of optical laboratory apparatus, including colorimeters, photomicrographic equipment, spectrographs, refractometers, and plain and polarizing microscopes.

Bemis Bro. Bag Company—Booth 276—will display a recently marketed machine for closing the tops of waterproof textile bags and multiwall paper bags, and a new bag holder which has been found very convenient in packing drugs and chemicals of various kinds.

Brown Instrument Company—Booths 40 and 41—will demonstrate indicating, controlling and recording instruments important in process control in the chemical industries.

Carpenter Container Corporation—Booth 239—will include several recent innovations in its exhibit of a complete line of fiber containers and drums suitable for all types of bulk goods.

Chemicolloid Laboratories, Inc.—Booth 237—will exhibit a large commercial model Charlotte colloid mill, a medium commercial model, and two of the new laboratory models which, since they have no stuffing box or packing, require no oiling. One of the small mills will be in operation.

Commercial Solvents Corporation—Booth 78—will feature its facilities, through the parent and subsidiary companies, for serving industry.

The Container Company—Booths 234 to 236—will display a collection of fiber shipping drums and barrels which are being used for chemicals and other dry and paste materials.

Continental-Diamond Fibre Company—Booth 51—(See Haveg Corporation).

Corning Glass Works, Booths 332, 333, 346 and 347—will show laboratory and industrial glassware and equipment.

Darco Corporation—Booth 46—will display activated carbons used in the purification of a variety of industrial materials.

J. H. Day Company—Booths 485 and 486—will show a number of mixers for dry and paste materials and several screening units.

Dicalite Company—Booths 86 and 87—will display a complete line of the Dicalite filteraids, of which several have been introduced during the last year.

Dry Ice, Inc.—Booth 90—(See U. S. Industrial Alcohol Company).

Durite Plastics—Booth 202—(See Stokes & Smith Company).

Eastman Kodak Company—Booth 56—(See Tennessee Eastman Corporation.)

Eimer & Amend—Booth 57—will display the latest scientific apparatus and equipment.

Electro Bleaching Gas Company—Booth 11—will exhibit samples of alkalies, liquid chlorine, bleaching powder, muriatic acid, and para and ortho-dichlorobenzene.

Electro-Chemical Supply & Engineering Company—Booth 81—will display acid proof construction materials, model installations showing their corrosion prevention uses in the chemical industry.

Eppenbach, Inc.—Booth 318—will exhibit its new water-cooled colloid mills, air free pre-mixers and dual rotor mills having internal rollers capable of grinding to an extreme fineness.

Ertel Engineering Corporation—Booths 508 and 509—will show filling, filtering, mixing and storage equipment. A hard rubber filter for handling corrosive materials will be featured.

Fansteel Metallurgical Corporation—Booth 302—will exhibit specimens and photographs of heat transfer and acid proof equipment made entirely or partially of tantalum. The Fansteel muriatic acid absorption system will be introduced at the exhibit. Samples of tungsten, molybdenum and columbium products will also be shown.

Filter Media Corporation—Booth 38—will, in addition to its regular line of filter fabrics, exhibit for the first time Fiberglas, a woven fabric made entirely from fine blown glass filaments.

Fish-Schurman Corporation—Booth 221—will display apparatus for use in chemical, physical and biological industrial and research laboratories.

General Ceramics Company—Booth 2—will exhibit several specimens of chemical stoneware.

General Electric Company—Booths 4 and 5—will demonstrate three modern industrial tools at its exhibit—a recording spectrophotometer, an electrically operated thickness gauge, and a dewpoint potentiometer.

Glyco Products Company—Booths 219 and 220—will exhibit its complete line of wetting, emulsifying, and deodorizing agents, and synthetic waxes and water soluble resins. Featured will be several new fatty acid esters of propylene glycol, recommended as emulsifying agents in foods, beverages and cosmetics, since they are said to be non-toxic.

B. F. Gump Company—Booths 206 and 207—will display two new products; a Bar-Nun full rotary sifter, and a Bar-Nun auto-check weigher, and several other pieces of conveying and packaging equipment at its exhibit.

W. A. Hammond Drierite Company—Booth 284—will, in addition to its standard Drierite products, show various samples of its new high capacity Du-Cal Drierite.

Haveg Corporation—Booth 51—will exhibit equipment fashioned of Haveg molded phenolic resin asbestos composition. A feature of the display will be illustrations of a recent Haveg installation made at the Sharp & Dohme plant in Philadelphia.

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The versatility of the Charlotte Colloid Mill is almost beyond belief . . . it has been called upon to perform many difficult operations in a varied number of industries, and has proven its merit on the most difficult problems.

It is invaluable as a blender of ingredients as its action brings about the development of color, texture and flavor strength.

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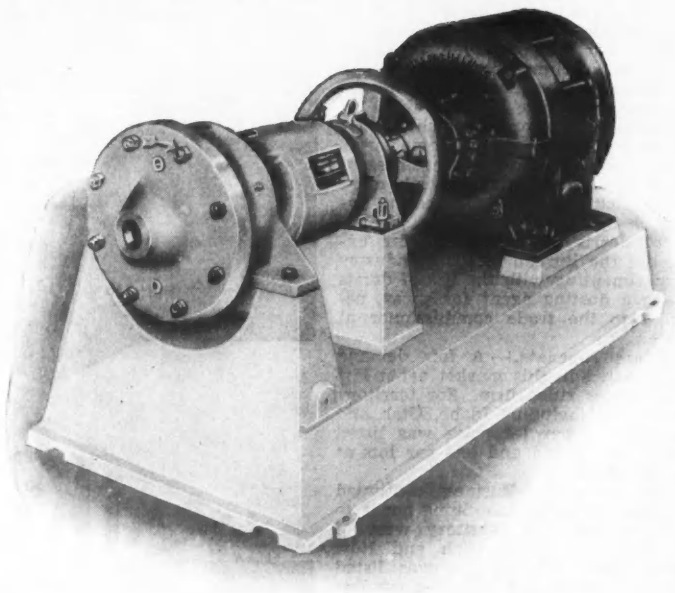
We extend you a cordial invitation to visit us at Booth 237.



CHEMICOLLOID LABORATORIES, 44 WHITEHALL ST., N.Y.C.

Haynes Stellite Company—Booth 77—will show Hastelloy alloys for corrosion resistant chemical equipment. The new Hastelloy B, for service in hot muriatic acid will be featured.

Hercules Powder Company—Booth 7—will show the many diversified chemicals which it produces, the varied applications of Hercules products and demonstrate varied laboratory testing equipment.

Adolphe Hurst & Co.—Booth 513—will show several mixers having a new mixing action and a new silk bolting cloth which it has recently introduced.

Industrial Chemical Sales Division, West Virginia Pulp & Paper Company—Booths 87 and 88—will exhibit its activated carbon, Nuchar; Snow Top precipitated chalk; Snowtex face powder base; Saratoga denatured alcohol; and a variety of products derived from the pine tree.

International Nickel Company—Booth 9—will display samples of equipment and specimens of Monel metal, nickel cast iron, Ni-Resist, Ni-Hard and other nickel-chromium steels resistant to heat and corrosion.

Jay Bee Sales Company—Booth 210—will exhibit several models of the Jay Bee hammer mills suitable for pulverising a wide variety of materials including resins, gums, asphalts and waxes.

Jeffrey Manufacturing Company—Booth 72—will exhibit several Jeffrey-Traylor electric vibrating units employed in material handling operations and various samples of chain.

Johns-Manville Corporation—Booth 93—will display its Celite filter aids and mineral fillers and a variety of asbestos structural products.

Karl Kiefer Machine Company—Booth 24—will show its new two stream vari-visco filling machine, a new combination bottle cleaning and filling machine, and a new tube filling and closing machine.

Kimble Glass Company—Booths 342 and 343—will display an assortment of graduated laboratory glassware and plain glassware.

E. Leitz Company—Booth 501—will exhibit a general line of colorimeters, microscopes, and other optical apparatus employed in the research or control laboratory.

Louisville Drying Machinery Company—Booths 565 and 566—will show drying equipment and demonstrate a new cord type non-clogging filter.

Manton-Gaulin Manufacturing Company—Booth 304—will display the Gaulin two-stage colloid mill and a new Manton-Gaulin homogenizer.

The Matheson Company—Booth 305—will present a display of its bottled gases.

Mixing Equipment Company—Booths 273 to 275—will exhibit various mixers including a laboratory model, several portable models, a closed tank mixer, a side angular mixer, and a new bearing guard type for corrosive materials.

National Carbide Corporation—Booth 90—(See U. S. Industrial Alcohol Company).

National Carbon Company, Unit of Union Carbide & Carbon Corporation—Booth 77—will show Kempruf molded and machined carbon products, graphite powder and specialties, and other carbon materials.

National Lead Company—Booths 319 and 320—will exhibit a variety of lead fabricated acid resistant equipment.

Neville Company—Booth 238—will display its widely known resins, plasticizing oils, coaltar solvents, and tar products, and feature its more recent coaltar products, such as Hi-Flash naphtha, G resin, Paradene, and Nevillite.

Niagara Alkali Company—Booth 11—(See Electro Bleaching Gas Company).

Owens-Illinois Glass Company—Booths 477, 478, 491 and 492—will show a variety of glass products of interest to the chemical industry.

Pease Laboratories—Booth 225—will present a display of the facilities it offers in chemistry, bacteriology, sanitation, and pathology, for research or practical industrial development.

Pfaltz & Bauer, Inc.—Booths 409 and 410—will present a display of the latest developments in scientific apparatus.

The Pfaudler Company—Booth 73—will exhibit for the first time at the exposition a new ten-gallon glass-lined autoclave designed for experimental work and pilot plant operations. Other glass-lined items, including a 1,000-gallon reaction kettle, the largest made, round out the display.

Charles Pfizer & Co.—Booth 5—will present a display of fine chemicals including ascorbic acid, iso-ascorbic acid, gluconic acid and salts, tributyl citrate, triethyl citrate, and its new product, tricarballylic acid, said to have the potentialties of an excellent plasticizer.

Philadelphia Quartz Company—Booths 308 and 309—will display the most important of the 33 silicates of soda which they manufacture. A silicate use meter, helpful in visualizing the fields where silicates of soda are useful, will be a novel feature of the exhibit.

Pittsburgh Lectrodryer Corporation—Booth 70—will demonstrate a small multi-absorber-type Lectrodryer having a transparent cover and colored lights to show air flow, so that its operation may be observed.

Pittsburgh Steel Drum Company—Booths 550 and 551—will include in its exhibit of steel drums types with a full-removable head, unassembled models, and several with special coatings for the transportation of corrosive materials.

Pneumatic Scale Corporation—Booth 22—will display a line of modern automatic weighing, bottling and packaging equipment.

Premier Mill Corporation—Booth 247—will display a series of colloid mills.

Pressed Steel Tank Company—Booths 280 to 282—will exhibit an assortment of its shipping containers, including cylinders for gases and tight and removable head drums.

Proctor & Schwartz, Inc.—Booth 15—will exhibit several new dryers.

Pulverizing Machinery Company—Booths 269 and 270—will show several sizes and types of its Mikro-Pulverizers and sifting and classification apparatus.

Pure Carbonic, Inc.—Booth 90—(See U. S. Industrial Alcohol Company).

Ransome Concrete Machinery Company—Booth 265—will show its dust-proof mixers of the rotary drum type, featuring a simplified drive and automatic control.

Raymond Pulverizer Division, Combustion Engineering Company—Booth 67—will exhibit equipment for grinding, separating and classifying all sorts of material.

Read Machinery Company—Booths 564 and 569—will demonstrate an automatic dustless weighing hopper constructed with transparent panels so that its operation may be watched.

Resinox Corporation—Booth 78—(See Commercial Solvents Corporation).

Allen E. Rogers Laboratories—Booth 324—will display a line of fine chemicals, such as phenylhydrazin hydrochloride, and salts of hydroxylamine and boron, which it produces.

St. Regis Paper Company—Booths 537 and 538—will build around the motto "Multi-Wall Protection" a display of a St. Regis valve bag filling machine, equipment for closing open-mouth paper bags and several filled and empty multiwall paper valve bags of the type now in use for various chemical products.

Sharples Solvents Corporation—Booth 45—will display all the products which it now manufactures commercially, a number of the amyl compounds which are in a semi-commercial stage, and several which are still being made only in the laboratory.

Sharples Specialty Company—Booths 59 and 26A—will demonstrate on ultra centrifuge and display other high speed centrifugal equipment.

T. Shriver & Co.—Booth 12—will present a display of products processed by Shriver filter presses in addition to some of the latter equipment.

Foster D. Snell, Inc.—Booth 37—will show a collection of technical items of general interest, many of which were developed at this laboratory, and a demonstration of waterproofing.

Stevens Metal Products Company—Booths 254 and 255—will exhibit a complete line of its metal shipping containers, many having the markings of nationally known organizations.

F. J. Stokes Machine Company—Booth 80—will exhibit the smallest and largest sizes of its vacuum pumps and a tablet machine.

Storms-Harvey Equipment Company—Booth 240—will display several mixing units and other equipment used in the ink, paint and chemical industries.

Syntron Company—Booth 250—will exhibit vibratory material handling equipment, which is rapidly being adopted in conveying and packaging systems.

C. J. Tagliabue Manufacturing Company—Booth 48—will display a complete line of indicating, recording and control instruments for temperature, pressure, level, flow and other conditions.

Taylor Instrument Companies—Booth 54—will exhibit a full line of the Taylor instruments employed in the chemical and allied industries. A new air operated potentiometer, the Fullscope Micromax Controller, for conditions requiring a smooth valve action will be featured.

Tennessee Eastman Corporation—Booth 56—will show the diversified products made from Eastman cellulose acetate, including Tenite, a thermoplastic molding compound, and Kodapak, a transparent wrapping material.

Thermatomic Carbon Company—Booth 78—(See Commercial Solvents Corporation.)

The Titanium Alloy Manufacturing Company—Booths 209 and 209A—will display samples of salts, oxides, alloys and pure metals of titanium and zirconium.

Toledo Scale Company—Booth 44B—will exhibit automatic weigning equipment.

Turbo Mixer Corporation—Booths 326, 327, 330 and 331—will show models representative of the full line of Turbo mixers.

Union Bag and Paper Corporation—Booth 507—will display a line of paper bags for small packaging purposes and multiwall bags for bulk packaging of chemicals.

U. S. Industrial Alcohol Company—Booth 90—will exhibit a line of organic paint, varnish and lacquer solvents; dyestuffs and pharmaceutical intermediates; and a group of unusual alcohol derivative chemicals manufactured by the above company and its affiliates.

U. S. Industrial Chemical Company—Booth 90—(See U. S. Industrial Alcohol Company).

The United States Stoneware Company—Booth 89—will display equipment resistant to the action of acids and other corrosive materials.

Warner Company, Bellefonte Division—Booth 203—will show an assortment of lime products from deep mined stone.

Westvaco Chlorine Products Corporation—Booth 39—will display samples of products made by the parent company and its divisions; the Warner Chemical Company, the California Chemical Company, and the National Kellastone Company; a Vorce cell will be included in the display.

West Virginia Pulp & Paper Company—Booths 87 and 88—(See Industrial Chemical Sales Division).

Wheeling Corrugating Company, Steel Shipping Container Division—Booths 292 and 293—will exhibit an assortment of plain and lithographed steel shipping containers applicable in the transportation of chemical products.

Wilson & Bennett Manufacturing Company—Booth A (Mezzanine)—will present a display of its very complete line of metal pails, drums and similar containers used in the oil, paint and chemical industries.

Wishnick-Tumpeer, Inc.—Booth 30—will exhibit the industrial chemicals and other raw materials which it is supplying to the manufacturing and processing industries.

Zapon—Booth 46—(See Atlas Powder Company).

Carl Zeiss, Inc.—Booths 316 and 317—will display its line of optical instruments used in research and process control.

Chemical Employment And Payrolls Decline

(Continued from page 3)

Payroll Totals

(100=1923-25 average)

	Oct., 1937.	Sept., 1937.	Oct., 1936.
Chemicals	150.3	150.9	124.7
Cottonseed oil, cake and meal	119.1	112.4	84.5
Druggists' preparations	128.8	127.3	112.6
Explosives	110.8	106.4	96.2
Fertilizers	83.3	97.2	69.7
Paints and varnishes	134.4	131.6	119.6
Petroleum refining	142.1	143.1	115.9
Rayon and allied products	391.0	393.6	307.6
Soap	122.0	122.1	105.3

Data compiled by the Bureau of Labor Statistics for basic non-manufacturing industries related to the chemical industries afforded the following comparisons on the basis of the 1929 average:—

	Employment.		Payroll totals.	
	Oct., 1937.	Sept., 1937.	Oct., 1937.	Sept., 1937.
Metalliferous mining	82.9	83.9	81.7	82.9
Quarrying and non-metallic mining	53.4	54.7	49.6	49.8
Crude petroleum producing	77.7	77.8	70.3	71.3
Dyeing and cleaning	85.7	87.1	71.6	73.7

Employment in New York

Employment in factories producing chemicals and related products in New York State decreased 0.9 percent in the State during the period September 15 to October 15, 1937, and increased 0.3 percent in the city, according to the records of the State Department of Labor.

General factory employment decreased 2.2 percent in New York State during the monthly period, and increased 0.1 percent in the city. General factory payrolls were down 2.2 percent in the State and increased 0.8 percent in the city. The department's general factory index numbers, October 15, 1937 (100=1925-27 average), were:—Employment, 89.4 (5.9 percent above the 1936 level); payroll totals, 84.6 (12 percent above the 1936 level).

October Compared with September

	Percentages—State.	Percentages—City.
Drugs and industrial chemicals	—5.2	+0.7
Oil products	+1.6	—0.4
Paints and colors	+0.6	+1.0
Photographic and miscellaneous chemicals	+0.6	—0.6

N. Y. Textile Chemists Discuss Casein Wool

(Continued from page 3)

The characteristics of this synthetic product were described as similar to the natural product in many respects. An approximate comparison analysis was given as follows:

	Percentages—Lanital.	Natural wool.
Carbon	53.00	49.25
Hydrogen	7.00	7.57
Oxygen	23.00	23.66
Nitrogen	15.00	15.86
Sulphur	0.70	3.66

Mr. Scholer also said that, according to information received from abroad, fabric made from the synthetic wool may be dyed in the same way as natural wool; it does not dissolve in caustic soda as natural wool does; it is immune to moths; but that it has the objection of stretching and losing strength somewhat when wet. He said that blending synthetic and natural wools gave a fabric which dyed well, did not shrink, and had good strength qualities both wet and dry.

Production of "Lanital" in Italy has expanded rapidly since it was first produced in September, 1935, Mr. Scholer said. During 1936 production amounted to 209,000 pounds; during 1936 it had risen to 1,695,000 pounds, and at the end of next year production is expected to reach 20,000,000 pounds a year. Since Italy can produce only 20,000,000 pounds of casein annually, he opined that in the future Italy will become an importer of casein. The present consumption of natural wool in Italy is 88,000,000 pounds per annum, he said. None of the Italian production of synthetic wool has as yet been exported commercially; however, licenses for its manufacture have been issued in several countries other than Italy.

The description of modern hydrogen potential (pH) measurement was presented by G. A. Perley, of the Leeds & Northrop Company. He reviewed the field generally and described the condition under which the various types of determinations, colorimetric, hydrogen electrode, quinhydrone electrode, antimony electrode, and others, were best suited. He suggested that every laboratory should be equipped to measure hydrogen potential by the colorimetric method and by at least four electrometric systems.

The meeting, which was conducted by George Baxter, of the Bradford Dyeing Association, chairman of the New York section of textile chemists, was preceded by an informal dinner.

Nickel and Alloys Booklet

The International Nickel Company has issued two informative and illustrated booklets on "Monel," nickel and "Inconel." One is entitled "Monel and Nickel in the Chemical Industries," and is the latest revised summary of information on this subject. The other is "400 Practical Applications for Monel, Nickel and Inconel Under Corrosive Conditions," and is a tabulation based on actual practical applications of materials, which can be used as a reliable guide.

Barrett CHEMICALS

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Coaltar Chemicals

General Demand Slower—Benzol Firm—Toluol and Xylol Quiet —Cresylic Acid 1938 Price Schedule Awaited—Irregular Call for Intermediates and Colors

Business in the market for coaltar chemicals continued quiet during the week. Actual demand indicated that consumers were adhering to a policy of ordering out supplies for immediate production requirements only. Prices ruled firm. Sellers were primarily occupied with the task of securing signed contracts for 1938 business on benzol, toluol, xylol and solvent naphtha. Coaltar intermediates and dyes continued steady to firm.

Reports from the automobile industry indicated that production of 1938 models was on a conservative scale, manufacturers of motor vehicles preferring a cautious policy until the labor situation is ironed out. Advices from Akron told of labor unsettlement in the rubber tire industry. Sellers of benzol reported that a substantial volume of business has been booked for 1938. Progress was also reported to have been made on securing signed 1938 contracts for solvent naphtha, toluol and xylol. The trade was awaiting 1938 cresylic acid prices. Prices for creosote oil for next year have not been issued as yet. Crude naphthalene was dull. Phthalic anhydride remained firm, the schedule of prices having been extended to cover 1938 shipments.

Australia's largest steel manufacturer will soon erect a battery of 55 additional coke ovens of the Otto Wilputte underfired compound regenerative type at its Newcastle plant, together with the necessary equipment for stripping the gases and refining benzol. The present equipment of the company consists of 106 such ovens with a weekly capacity of 11,000 long tons of metallurgical coke, 1,100 long tons of coke breeze, 190,000,000 cubic feet of gas, 190 long tons of sulphate of ammonia, 40,000 Imperial gallons of benzol, toluol and solvent naphtha and 120,000 gallons of tar. The tar distillery of the company is capable of producing refined solvent naphtha, naphthalene, carbolic and cresylic acids, creosote, disinfectants and road tars; but at the present time much of the tar is being used as fuel rather than being distilled. In addition to the foregoing, work is nearing completion on the installation of a battery of 72 coke ovens of the same type at the Port Kembla plant of Australian Iron and Steel, Ltd. (controlled by the Broken Hill Proprietary Company, Ltd.), which will be in operation before the end of 1937. While sulphate of ammonia, benzol, toluol and solvent naphtha will be recovered at Port Kembla by stripping the coke-oven gases, it is understood that the tar produced there will not be distilled but will be used as fuel, according to word from the office of the American trade commissioner at Sydney.

Price Changes

Prices were changed during the past week as follows:—

Advanced

None

Reduced

None

Comparative Values

Index numbers compiled from twenty typical coaltar products on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
127.3	127.3	127.3	126.2

Market news that may have developed after this report was sent to press will be found on page 4.

Basic Products

Benzol.—There was a fair demand in evidence for this product during the week. Routine consumers supplied the call. Prices retained a firm appearance. Sellers centered their activities on writing 1938 contracts. The volume of business written thus far measures up satisfactorily. Reports from the rubber trade continued to tell of labor unsettlement, and coupled with the low level of operations in the automobile industry, production hovers at a low rate. Steel mill operations were reported at 31 percent of capacity, compared with 36.4 per cent in the preceding period, according to the American Iron and Steel Institute. A month ago operations were at 52.1 percent and a year ago at 74.3 percent. Reports from the automobile industry were to the effect that production was at a conservative level.

Cresol.—A firm tone prevailed in this market again last week. Manufacturing consumers continued to order out supplies for actual production wants only. Prices were unchanged.

Cresote Oil—A steady to firm tone prevailed in this market again last week. Shipments were moving for the account of the major railroad systems and the public utility companies at an irregular pace. Prices were without change. Imports of coaltar creosote into the United States during the three-quarter period ended September 30, 1937, totalled 37,241,873 gallons valued at $4,347,766, compared with 30,000,114 gallons, value $3,281,708 during the corresponding period of 1936, according to preliminary data.

Cresylic Acid.—A decidedly firm tone continued in evidence in this direction throughout the week, the call coming from the synthetic resin industry and other routine consumers indicated that buyers were gauging shipments by actual production needs. The trade was awaiting the 1938 price schedule.

Naphthalene. — Demand for crude naphthalene continued slow throughout the week just ended. Consumers were apparently awaiting further developments in the general business trend before broadening commitments, and at the same time some consumers were drawing on inventories. Prices were about the same as in the previous period. There was little to report in the market for refined naphthalene.

Phenol.—Business in this market continued fairly good at times. Prices were firm. The call came from the usual channels of consumption, including the synthetic resin industry and the dyestuff intermediate trade.

Solvent Naphtha.—Sellers of industrial water white solvent naphtha centered their interest on writing 1938 contracts. Quotations held firm. Business in high flash naphtha was fair; prices were steady to firm.

Toluol.—A good volume of business was reported at intervals during the week just closed. The irregularity in the call reflected the inclination of manufacturing consumers to hold down supplies to actual production needs. However, substantial progress was reported to have been made in booking contract business for 1938.

Xylol.—This market moved through a quiet week. Prices were firm, sellers continuing their drive for 1938 contracts, the price schedules having been repeated.

Chicago Coaltar Bases

Continued depressed level of operations on the part of the steel industry is tending to stiffen the tone of some of the coaltar products decidedly. Benzol is now firmer than in some time. Buying of motor material has been retarded, however, by cheapness of some competitive products and by some decline in consumption. Other items are mostly strong. Ruling prices exclusive of tax are: Benzol, 90 percent, 16c. to 17c. per gallon; motor benzol, 10½c. to 11c.; toluol, 30c.; 10-degree xylol, 33c.; solvent naphtha, 30c.; creosote oil, grade 1, 13½c. to 14c.

Coaltar Acids

Anthranilic. — A fair demand was reported for this product during the week. No change was disclosed in quotations.

Benzoic. — Business in this market continued at an irregular pace. Prices were well maintained.

Broenner's. — There was little to report in this market during the week. No change was disclosed in quotations.

Cleve's. — Although the market was a rather drab affair, routine consumers being content to cover for immediate needs only, prices were without change.

Current prices on coaltar products are given in the alphabetical list of prices beginning on page 7

Salicylic. — Shipments were moving out at a fair pace throughout the period under survey. No change was disclosed in quotations.

Sulphanilic. — Demand here was restricted to actual production wants. Prices were without change.

Other Intermediates

Alphanaphthol. — Demand was fair at times during the week. The trade was awaiting 1938 prices.

Anilin Oil. — Shipments were moving against current contracts at an irregular pace. Prices were well maintained.

Betanaphthol.—This market revealed little change during the week, the call was restricted to actual needs, but the volume was sufficient to give the market a steady to firm tone.

Dinitrobenzene. — A firm tone continued to govern activities in this market, prices were unchanged. The trade was expecting 1938 price schedules shortly.

Dinitrotoluene. — There was little change to report in this market, usual buyers continued to lean toward conservatism, and prices were firm at previous levels.

Nitrobenzene. — Another quiet week was experienced in this market. Prices remained steady and demand indicated consumers were covering for actual needs only.

Orthodichlorobenzene. — A decidedly firm tone prevailed in this market. Demand was good.

Phthalic Anhydride. — Sellers continued their drive for 1938 contracts, substantial progress having been made already, and prices displayed a firm appearance.

Schaeffer's Salt. — Although the market was a rather slow affair again last week, sellers were holding firmly to previous prices.

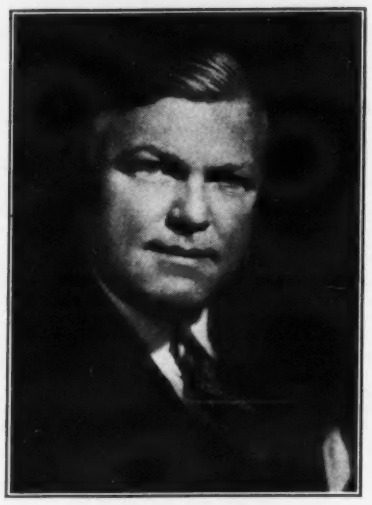
Coaltar Colors

Business in the market for coaltar colors continued quiet. Prices were steady to firm. A representative of a Mexican firm interested in coaltar dyes and auxiliary chemical products for the textile industry is expected shortly to arrive in the United States for a visit of one month. The name of the visitor and the firm with which he is associated as well as his address while in this country will be furnished accredited American firms upon application to the Chemical Division, Bureau of Foreign and Domestic Commerce, Washington. Exports of coaltar colors, dyes, stains and color lakes from the United States during the nine-month period ending September, 1937, amounted to 14,575,374 pounds valued at $5,277,665 compared with 13,658,665 pounds, valued at $4,685,572 during the corresponding period of 1936. Sales of dyes and dyestuffs in the United Kingdom during the third quarter of 1937 are believed to have been satisfactory, with a particularly good demand for textile dyeing and finishing materials. Other industries consuming large quantities of dyestuffs were the paper-making and carpet yarn dyeing trades. Among the newer products of dye manufacturers, water soluble dyes for acetate rayon have proved a success in the textile industry, as has a range of milling dyes for wool of a high degree of fastness. Exports of coaltar dyes showed an increase in the nine-month period ended September 30, 1937, over the amounts exported during the corresponding periods of 1935 and 1936.

Neville Issues Coaltar Folder

The Neville Company, coaltar products, Pittsburgh, has just issued a comprehensive folder, which gives a condensed complete listing of the company's products with their uses and pertinent data in concise form under the headings, synthetic resins, solvents, plasticizing oils, oils, and tar products. Of particular interest is a graphic derivation chart of coal byproducts which the company has never before published. These reference data are available upon request.

Hercules Men in New Positions



Ralph B. McKinney

Changes from director of purchases to special duties in the papermakers' chemicals division of the Hercules Powder Company.

Harry F. Kolb

Comes from San Francisco assistant managership to become director of purchases for the Hercules Powder Company.

Ink Manufacturers Warned on Phenol

WASHINGTON, Nov. 23, 1937.

The Food and Drug Administration has issued a notice to manufacturers of ink warning them of the application of the Federal caustic poison act to inks containing 5 percent or more of phenol.

The administration says that, in its enforcement of the caustic poison act, it has encountered on the market indelible marking inks containing from 6.6 percent to 52 percent of phenol by weight. The notice to ink manufacturers states the requirements of the caustic poison act and the liability incurred in disregarding them, and explains the application of the law to inks as follows:—

Preparations containing carbolic acid are subject to the law when shipped, or delivered for shipment, in interstate or foreign commerce, or sold, or offered for sale, or held for sale or exchange, in any territory or possession of the United States, or in the District of Columbia, or offered for importation into the United States.

The expression, "containers suitable for household use," is not to be construed as restricting the application of the law to articles intended solely for use in the home. Protection of the home is, of course, the primary purpose of the statute, but that Congress did not have in mind the limitation of the act to products for use in the household only is indicated by the exemption in the fourth labeling requirement as above set forth.

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KOPPERS CHEMICALS AND SOLVENTS—Benzol (all grades) . . . Toluol (Industrial and Nitration) . . . Xylol (10° and industrial) . . . Solvent Naphtha (including High Flash) . . . Phenol (82% and 90% Purity) . . . Cresol (U.S.P., Resin and Plasticizer Grades) . . . 3° Meta Para Cresol . . . Cresylic Acid (Disinfectant Grades—98%, pale low-boiling. Insecticide Grades—98%, pure, high-boiling) . . . Naphthalene . . . Shingle Stain Oil . . . Refined Tars . . . Tar Acid Oils . . . Pitch Coke . . . Industrial Coal Tar Pitches . . . Flotation Oils . . . Creosote

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KOPPERS

KOPPERS DIVISIONS, SUBSIDIARIES AND AFFILIATES—American Hammered Piston Ring Division . . . Bartlett Hayward Division . . . Boston Tow Boat Company . . . Eastern Gas and Fuel Associates . . . Engineering and Construction Division . . . Gas and Coke Division . . . The Koppers Coal Company . . . Koppers-Rheolaveur Company . . . The Maryland Drydock Company . . . Mystic Iron Works . . . Mystic Steamship Company . . . National Lumber & Creosoting Company . . . New England Coal & Coke Company . . . Tar and Chemical Division . . . Western Gas Division . . . The White Tar Company of New Jersey, Inc. . . . The Wood Preserving Corporation.

Industrial Uses of Chemicals and Related Materials

(Formerly styled "Where You Can Sell")

Producers' Guide to New Markets Technical Information for Processors

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Five-hundred-sixty-ninth Recapitulative Instalment

Parenthetical references are to the numbers of patents in the United States or other countries, as designated)

Dichloroethyl Ether

(Beta-b'-dichlorethyl Ether, Dichloræthyl-æther, Dichlordiethyl Ether, 2:2'-Dichloroethyl Ether, Doppeltchloræthyl-æther, Doppeltchlordoppeltæthylether, Ether Dichlordiethylique, Ether Dichlorethylique, Symmetrical Dichlorethyl Ether)

Analysis

Extracting medium for various purposes

Solvent in analyzing and testing—
- Animal oils
- Ashes
- Breadstuffs
- Butter
- Cakes
- Cheese
- Chocolate
- Cocoa
- Essential oils
- Fats
- Flour
- Hops
- Meals
- Meat
- Milk
- Mineral phosphates
- Resins
- Rosin
- Rosin oil
- Rubber
- Soaps
- Vegetable oils

Cellulose Products

As a solvent which is soluble in organic solvents

As a solvent which is very resistant to hydrolysis

As a stable, high boiling-point solvent

Solvent, in conjunction with alcohol, for—
- Cellulose acetate
- Cellulose esters
- Cellulose ethers
- Nitrocellulose

Ceramic

Solvent or diluent in—
- Compositions, containing natural or synthetic resins, nitrocellulose, cellulose acetate, or other cellulose esters or ethers, used as coatings for protecting and decorating ceramic products

Chemical

Activating medium in—
- Chemical reactions
- Sulphonation

As a stable, high boiling-point solvent

As a solvent which is soluble in organic solvents

As a solvent which is insoluble in water

As a solvent which is very resistant to hydrolysis

Intermediate in—
- Syntheses

Cosmetic

Solvent or diluent in—
- Nail enamels and lacquers containing natural or synthetic resins, nitrocellulose, cellulose acetate, or other cellulose esters or ethers as base material

Dry Cleaning

Ingredient of—
- Cleaning solutions
- Spotting agents

Solvent for—
- Fats
- Greases
- Gums
- Insoluble soap
- Oils
- Paint and varnish stains
- Tars
- Waxes

Dye

Solvent in making various dyestuffs

Electrical

Solvent or diluent in—
- Insulating compositions, containing natural or synthetic resins, nitrocellulose, cellulose acetate, or other cellulose esters or ethers, used for covering wire and in making electrical machinery and equipment

Explosives and Matches

Solvent, in conjunction with alcohol, for—
- Nitrocellulose

Fats, Oils, and Waxes

Solvent for—
- Essential oils
- Fats
- Greases
- Vegetable oils
- Waxes

Solvent in—
- Recovering oils from fuller's earth and other substances used in bleaching

Fertilizer

Solvent in—
- Degreasing fish scrap

Food

Solvent for—
- Edible oils
- Fats
- Pectin

Glass

Solvent or diluent in—
- Compositions, containing natural or synthetic resins, nitrocellulose, cellulose acetate, or other cellulose esters or ethers, used in the manufacture of nonscatterable glass and as coatings for decorating and protecting glassware

Glue and Adhesives

Solvent or diluent in—
- Adhesive compositions containing natural or synthetic resins, nitrocellulose, cellulose acetate, or other cellulose esters or ethers

Gums

Solvent for—
- Gums

Leather

Solvent in—
- Cleansing spotted leathers
- Removing natural oils and greases from hides and skins before tanning so as to prevent staining thereafter and insure evenness of the leather finish and tan

Solvent or diluent in—
- Compositions, containing natural or synthetic resins, nitrocellulose, cellulose acetate, or other cellulose esters or ethers, used in the manufacture of artificial leathers and as coatings for decorating and protecting leathers and leather goods

Metal Fabricating

Solvent or diluent in—
- Compositions, containing natural or synthetic resins, nitrocellulose, cellulose acetate, or other cellulose esters or ethers, used as coatings for protecting and decorating metallic articles

Miscellaneous

Solvent in—
- Cleaning solutions
- Polishes

Solvent or diluent in—
- Coating compositions, containing natural or synthetic resins, nitrocellulose, cellulose acetate, or other cellulose esters or ethers, used for protecting and decorating various articles

Paint and Varnish

As a stable, high boiling-point solvent

As a solvent which is soluble in organic solvents

As a solvent which is very resistant to hydrolysis

Ingredient of—
- Paints, varnishes, lacquers, enamels, and dopes containing natural or synthetic resins, nitrocellulose, cellulose acetate, or other cellulose esters or ethers
- Paint and varnish removers

Solvent, in conjunction with alcohols, for—
- Cellulose acetate
- Cellulose esters
- Cellulose ethers
- Nitrocellulose

Solvent for—
- Natural resins
- Synthetic resins

Paper

Solvent or diluent in—
- Compositions, containing natural or synthetic resins, nitrocellulose, cellulose acetate or other cellulose esters or ethers, used in the manufacture of coated papers and as coatings for decorating and protecting articles made of paper or pulp

Plastics

Solvent or diluent in making—
- Laminated fiber products
- Molded products

Solvent for plastics from or containing natural or synthetic resins, nitrocellulose, cellulose acetate, or other cellulose esters or ethers

Petroleum

Selective solvent in making—
- High-grade lubricating oils from low-grade products
- High-grade lubricating oils from Mid-continent crudes by the "Chlorex" process

Resins

Solvent for—
- Natural resins
- Synthetic resins

Solvent or diluent in making—
- Artificial resins from or containing nitrocellulose, cellulose acetate, or other cellulose esters or ethers

Rubber

Solvent or diluent in—
- Compositions, containing natural or synthetic resins, nitrocellulose, cellulose acetate, or other cellulose esters or ethers, used as coatings for protecting and decorating rubber goods

Soap

Ingredient of—
- Cleansing compositions
- Dry-cleaning compositions
- Grease-removing soaps
- Penetrating agents
- Spotting agents
- Scouring agents
- Textle soaps
- Wetting agents

Stone

Solvent or diluent in—
- Compositions, containing natural or synthetic resins, nitrocellulose, cellulose acetate, or other cellulose esters or ethers, used as coatings for decorating and protecting artificial and natural stone

Textile

As a conditioning agent

As a desizing agent

As a softening agent

As a spotting agent

Assist in—
- Kier boiling
- Mercerizing
- Scouring operations

Assister of—
- Soap solutions where high temperatures are involved

Compounding agent in making—
- Dewaxing agents for cotton
- Penetrating agents with soaps and sulphonated oils
- Wetting agents with soaps and sulphonated oils

Ingredient of—
- Cleaning solutions
- Fulling preparations and soaps
- Scouring soaps
- Spotting preparations and soaps

Penetrating agent in—
- Peroxide bleaching
- Textile processes

Scouring agent in removing—
- Fat from raw wool
- Grease from raw wool
- Oil from raw wool
- Paint brands from raw wool
- Tar brands from raw wool

Solvent for—
- Fats
- Greases
- Oils
- Waxes

Substitute for—
- Caustic alkalies
- Ethylene dichloride, especially where high temperatures are required

Solvent or diluent in—
- Compositions, containing natural or synthetic resins, nitrocellulose, cellulose acetate, or other cellulose esters or ethers, used in the manufacture of coated fabrics

Wood

Solvent or diluent in—
- Compositions, containing natural or synthetic resins, nitrocellulose, cellulose acetate, or other cellulose esters or ethers, used as protective and decorative coatings on woodwork

Ethylcellulose

(Aethylzellulose, Cellulosa de Etile, Cellulosa di Etile, Cellulose d'Ethyle, Cellulose Ethylique)

Adhesives

Ingredient of—
- Heat-sealing adhesives

Ceramic

Ingredient of—
- Coating compositions containing artificial resins and used for the decoration and protection of ceramic products

Construction

Ingredient of—
- Coating compositions, containing artificial resins and the like, used for the protection of brickwork and other construction

Electrical

Ingredient of—
- Coating compositions, containing artificial resins and the like, used for insulating electrical apparatus, wire, and other articles

Glass

Ingredient of—
- Compositions, containing artificial resins and the like, used in making nonscatterable glass and for coating glassware

Leather

Ingredient of—
- Compositions, containing artificial resins and the like, used in the manufacture of artificial leathers and for coating leather goods

Metallurgical

Ingredient of—
- Coating compositions, containing artificial resins and the like, used for decorating and protecting metalware

Thermoplastic coatings

Miscellaneous

As a transparent wrapping film

As a waterproofing agent

Ingredient of—
- Moulding powders

Paper

Ingredient of—
- Compositions, containing artificial resins and the like, used in the manufacture of coated papers and in the coating of paper and pulp products for protective and decorative purposes

Paint and Varnish

Ingredient (used together with artificial resins and the like) of—
- Dopes
- Lacquers
- Enamels
- Paints
- Priming compositions
- Varnishes
- Wax finishes

Plastics

Ingredient of—
- Compositions, containing artificial resins and the like
- Moulding powders

Rubber

Ingredient of—
- Compositions, containing artificial resins and the like, used for coating rubber goods

Stone

Ingredient of—
- Compositions, containing artificial resins and the like, used for coating artificial and natural stones

Textile

Ingredient of—
- Compositions, containing artificial resins and the like, used in making coated textiles

Waterproofing agent for—
- Fabrics

Wood

Ingredient of—
- Compositions, containing artificial resins and the like, used as coatings for decorating and protecting wood
- Wax polishes

Dyestuffs and Textile And Leather Chemicals

Zinc Dust Fractionally Lower—Egg Products Nominal—Alumina Chloride Dull—Bichromates Continue Firm—Mangrove Bark and Myrobalans Slow—Wattle Bark and Valonia Strong

Business in the market for dyestuffs and tanstuffs continued to note a highly irregular call throughout the week. The irregularity in the buying reflected continuance of an effort on the part of manufacturers to hold down purchases to a minimum. Despite the lull in buying, the majority of prices displayed a steady to firm tone.

Bichromates continued to display a firm tone, producers were reported to have made considerable progress in booking business for next year at a slightly higher level, as announced in the previous issue. Corn derivatives displayed a steady tone, although the call indicated that consumers were not covering beyond actual production requirements. Zinc dust was lower. The lower price for zinc dust reflected a decline in the basic metal. Egg products continued nominal. The nominal price position of the market for imported egg products could be explained by the absence of shipments arriving from China, because of the hostilities with Japan. Also the fact that uncertainty prevails regarding just when supplies will be moving from the primary market in substantial volume. Dyestuffs noted an irregular call. The various units of the textile industry continued to adhere to a conservative buying policy until such time as more definite signs of the trend will be assumed after the turn of the year become apparent. Mangrove bark and myrobalans held steady. Valonia was firm. A strong tone ruled the dealings in wattle bark. Recognizing the crisis which exists in the Massachusetts boot and shoe industry and the possible further depressing effect on the proposed trade treaty with Czechoslovakia, Governor Hurley today called a State House conference for Friday afternoon at which a plan for the relief of the industry will be formulated.

Price Changes

Prices were changed during the past week as follows:—

Advanced

None

Reduced

Zinc dust, 1c. per lb.

Comparative Values

Index numbers compiled from nineteen typical dyestuffs on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
155.1	155.2	155.2	152.5

Market news that may have developed after this report was sent to press will be found on page 4.

Chemicals

Alumina Chloride.—Business continued at a fair pace during the week just ended. Prices were steady at the level in effect previously.

Antimony Salt.—Demand was highly irregular throughout the week just closed. Usual consumers were covering for immediate needs only. Prices were unchanged.

Potash Bichromate.—A firm tone continued in prominence in this market, producers being busily engaged in writing 1938 contracts, the prices for which are fractionally above the 1937 level.

Potash Prussiate.—This situation was much the same as in the preceding period, sellers of red and yellow prussiate of potash reporting demand was along conservative lines. Quotations were well maintained.

Soda Bichromate. — Business was fairly good throughout the week, consumers covering when needs were required. Producers continued their drive for 1938 contracts, prices for which are fractionally higher.

Zinc Dust.—Prices for zinc dust were fractionally lower as a result of the decline in the basic metal.

Dyestuffs

Annatto.—Although the market was a rather drab affair throughout the week, the call being confined to a few small quantities, sellers reported prices, however, were firm at previous levels.

Archil.—Business revealed little improvement in this market during the course of the week just ended, the usual channels of consumption showing little inclination to purchase beyond actual production requirements. Prices were steady.

Cochineal.—Demand was slow again last week, the call being restricted to actual needs. Despite the dull character of the call, sellers reported prices were firm at previous levels.

Fustic.—Conditions were relatively unchanged from recent weeks. Demand reflected an inclination of consumers to hold stocks down to a minimum. Prices displayed a steady to firm tone.

Logwood.—There was an irregular demand noted for this product during the week just closed. Prices remained steady to firm.

Nutgalls.—Prices were firm. Stocks of nutgalls on hand in London public warehouses of China and Japan origin amounted to 886 cases at the end of October; of Turkey and Persian origin, 273 bags.

Madder, Dutch.—A dull demand was reported in this market again last week, sellers reporting prices were without change.

Sizing Materials

Albumen.—Prices were decidedly firm again last week. The firm character of the market for imported edible egg albumen could be explained by the limited amount of material on hand, together with the uncertainty surrounding future shipments from China.

Dextrin.—Prices continued to display a steady tone in the corn derivatives market. A report from Montreal stated that the Tariff Board will hold a public hearing on November 30 on tariffs covering starches, including corn starch and potato starch and dextrines.

Egg Yolk.—Prices continued strictly nominal during the week. The nominal price condition could be attributed to the absence of sufficient supplies.

Starch.—A steady to firm price tone was noted in this direction again last week, sellers of the corn derivatives reporting that consumers were covering for immediate needs only.

Tanning Materials

Divi-Divi. — A dull demand was reported for this market again last week. Prices were nominal.

Gambier.—Demand was highly irregular for common gambier during the week. Prices were firm. The call for Singapore cubes and plantation gambier was spotty. Demand displayed a steady to firm tone.

Mangrove Bark. — This market continued to experience an irregular demand throughout the period under survey, but the dull character of the call failed to have an influence on the market pricewise.

Myrobalans.—This situation was little changed during the period under review. Usual buyers were ordering out supplies for immediate needs only, and prices were steady to firm.

Sumac.—A firm tone was in evidence in this market again last week. The firmness in the price tone reflected the firm tone in dealings abroad. The British Treasury, on the recommendation of the Import Duties Advisory Committee, had added to the free list, as from November 17, ground sumac leaves. The committee's recommendation is designed to assist the light leather tanning and textile finishing.

Valonia.—This market displayed a decidedly firm tone throughout the week. Demand was highly irregular. However, reports from the primary market continued to tell of the firmness in the price tone in the dealings in the primary market. Prices for beards and cups were without change.

Wattle Bark.—This situation continued to note an irregular demand. Sellers reported consumers were covering for need when such became imperative. Prices were unchanged.

Current prices on dyestuffs and tanstuffs are given in the alphabetical list of prices beginning on page 7

Textile Chemists and Colorists Meet Dec. 3

The American Association of Textile Chemists and Colorists will hold its seventeenth annual meeting in the Bellevue-Stratford hotel, Philadelphia, December 3 and 4, under the auspices of the Philadelphia Section. The two-day program, with a diversity of technical presentations and entertainment, follows:—

Friday, December 3

10:00 a. m.—Opening of registration in the hotel.

12:00 noon.—Luncheon in honor of the national officers, council, and members of the research committee, as guests of the Philadelphia Section.

1:30 p. m.—Council meeting.

2:30 p. m.—Meeting of research committee.

2:30 p. m.—Sight-seeing trips—Philadelphia, the Franklin Institute, and the Planetarium.

6:30 p. m.—Platter supper in the ball room of the Bellevue-Stratford.

7:45 p. m.—Official opening of the convention.

7:50 p. m.—"Queer Forms of Light," by Henry E. Millson of the Calco Chemical Company.

8:40 p. m.—"Glowing Crystals," a colored motion picture presented by Lloyd A. Jones of the Eastman Kodak Company.

9:00 p. m.—Entertainment and social hour.

Saturday, December 4

9:30 a. m.—"Extraneous Matter in Textile Materials": An Investigation of the Nature of the Material Obtained by the A. A. T. C. & C. Research Associate at Lowell Textile Institute under grant from the Textile Foundation.

10:00 a. m.—"Practical Consideration of Modern Wool Dyeing Methods," by E. W. Pierce of the Ciba Company.

10:30 a. m.—"What Can the Mill Man Expect from Fundamental Research?" by Milton Harris, A. A. T. C. & C. Research Associate at the National Bureau of Standards.

10:50 a. m.—"The Quantitative Measurement of Stiffness and Resiliency," by Irving J. Saxl, consulting physicist and chemist.

11:10 a. m.—"Evaluation of Crease Resistant Finishes for Fabrics," by Herbert F. Schiefer, of the National Bureau of Standards.

11:30 a. m.—"Metallized Azo Dyes," by M. L. Crossley, of the Calco Chemical Company.

12:00 noon.—Business meeting.
Annual reports of officers and of committee chairmen; election of officers and other business.

Recess for luncheon.

2:00 p. m.—"Trends in Textile Technology," by E. R. Schwarz, of the Massachusetts Institute of Technology.

2:30 p. m.—"Detergents and Their Application to Textile Processes," by J. B. Crowe, of the Procter & Gamble Company.

3:05 p. m.—"Color Measurement in the Dyestuffs Industry with Special Reference to Fastness Tests," by Isaac H. Godlove, of E. I. du Pont de Nemours & Co.

3:50 p. m.—"Suggestive Observations on the Wetting, Mercerization and Dyeing of Cellulose," by Charles F. Goldthwaite and Earle R. McLean, Industrial Fellows of the Mellon Institute of Industrial Research.

4:25 p. m.—"A New System of Organic Synthesis and Its Application to Textile Assistants," by A. Frank Bowles, of E. P. Houghton & Co.

5:00 p. m.—"The Use of Standard Dyeings in Tests for Color Fastness to Light," by William D. Appel, of the National Bureau of Standards, chairman of the A. A. T. C. & C. Committee on Light Fastness.

7:00 p. m.—Banquet. (Dress optional.)
Toastmaster: Elvin H. Killheffer, former president 1927-1930.
Speakers: Hon. S. Davis Wilson, Mayor of Philadelphia; William H. Cady, retiring president of the association; Alban Eavenson, president-elect of the association; Dr. Ivor Griffith, professor of organic chemistry, Wagner Institute of Science; assistant dean, Philadelphia College of Pharmacy and Science; Dr. Louis A. Olney, president emeritus and chairman of the research committee of the association; Hon. Franklin Spencer Edmonds, subject, "Opportunity of Security."

Metallurgical Co. Sets Up Stainless Steel Exhibition

The production and diversified usage of stainless steel is shown in an exhibition arranged for the New York Museum of Science and Industry in Rockefeller Center, this city, by the Electro Metallurgical Company and first opened to the public November 23.

The exhibit, many displays of which may be operated by pressing buttons, stresses the heat, oxidation, rust, and corrosion resistant properties of stainless steels. Illustrations and samples of drums and other equipment fabricated from stainless steel, since it does not contaminate materials with which it comes in contact, are shown as used in handling essential oils, fine chemicals, and other materials.

The Electro Metallurgical Company, although itself not a producer of stainless steels, supplies steel manufacturers with the materials which, when added to the steel batch, produce stainless steel.

Calco Offers New Dye Film

The Calco Chemical Company reports that its new film "Beyond the Rainbow" is now available for private showings. This film, which dramatically tells the story of the dye industry, is unusual because it is the first time that sound has been used on 16 mm. color film.

Another development in which the Calco company has pioneered in producing "Beyond the Rainbow" is in duplicating color on 16 mm. films. Six prints were made, and all are just as vivid and colorful as the original. The film itself is both educational and entertaining and takes 44 minutes to show.

Clubs, universities, schools, associations, etc., that are interested in using this unusual picture should write to the motion picture laboratories of the Calco Chemical Company, Bound Brook, N. J.

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Penna. Salt to Build Soda Chlorate Plant

A sodium chlorate plant will be erected in Oregon by the Pennsylvania Salt Manufacturing Company. The site for the new plant is close to the Columbia river, near the Bonneville Dam. Distribution of the product will be managed by the Chipman Chemical Company, of Bound Brook, N. J.

By its location, the new plant, construction of which calls for an initial expenditure of approximately $1,000,000, will have convenient water and railroad transportation facilities, aside from utilizing the low cost electric power provided by the Bonneville Dam Federal project. Production, which is expected to get under way within a year, will care adequately for the heavy demand for weed killing purposes from the various agricultural areas and from the major railroad systems.

The Pennsylvania Salt Manufacturing Company, of which Leonard T. Beale is president, with executive offices in Philadelphia, was incorporated in 1850, and manufactures a wide line of industrial chemicals. The original plant of the company is located at Natrona, Pa., near Pittsburgh. Other plants are located at Wyandotte, and Menominee, Mich., and Philadelphia, Pa. Subsidiaries operate plants at Tacoma, Washington, and Penn Yan, N. Y.

The Chipman Chemical Company, Inc., of which Ralph N. Chipman is president, has been prominently identified with the distribution of agricultural insecticides since 1917, and maintains branch offices in principal cities here and abroad.

Baltimore Drug Bowlers

In the contests of the Baltimore Drug Trade Bowling League November 22 the Armstrong Cork Company team held its lead with two games ahead of the Bromo-Seltzer Company quintet, second in the list.

The standing of the teams follows:—

	Won.	Lost.	P.C.
Armstrong Cork Company..	26	7	.788
Bromo-Seltzer	24	9	.727
McCormick & Co.....	19	14	.576
Fort Howard.....	16	17	.485
Penn-Maryland	15	18	.455
Dry Dock.....	14	19	.424
Noxzema Chemical Co.....	12	21	.364
Glenn Martin Company....	6	27	.182

Ex-Lax Gets Injunction Against N.Y. Pitchmen

Ex-Lax, Inc., manufacturer of packaged medicine, Brooklyn, has obtained a preliminary injunction against derogation of its laxative preparation, "Ex-Lax," by Edwin J. Ross and William Vreeland and others associated with them in barker and pitchmen activities in the sale of laxatives.

The injunction, obtained from Justice Mitchell May of the New York Supreme Court by Irvin A. Edelman, counsel for Ex-Lax, Inc., forbids unfair or derogatory references to "ExLax" or phenolphthalein and includes even mention of or pointing to "Ex-Lax."

The groups of pitchmen and barkers enjoined have been operating in temporarily leased stores in the Times Square section of this city. Their practices are those of the usual medicine barker and include "demonstrations" of the "harmfulness" of well-known preparations by means of reactions with water—the color reactions of phenolphthalein, for example.

Ex-Lax, Inc., has long been foremost in the fight against calumniating pitchmen. Its counsel, Mr. Edelman, has also represented the Proprietary Association's committee on barkers, and has obtained injunctions against barkers in other courts in this State and in New Jersey and Pennsylvania.

Narcotic Drugs List Revised by League

WASHINGTON, Nov. 16, 1937.

The Department of State today received from the League of Nations first copies of a new list of all known drugs, preparations, and proprietary medicines coming under any of the various international treaties regarding the regulation of narcotic drugs.

The list was prepared by a committee of experts following the receipt of information from a large number of governments regarding products manufactured or sold in their countries, and is said to be much superior to former drafts. Copies are being distributed to all governments for the use of their customs and regulatory services. The list is printed in both French and English and all preparations are listed twice, first according to the composition of the product and again alphabetically. The league's advisory committee on opium is asking governments to report on the usefulness of this list and also to insist that when the fomula of the preparation is changed its name also be changed to avoid confusion.

Koppers Company has been awarded a contract by the American Rolling Mill Company, for the construction of 15 new coke ovens at its blast furnaces in Hamilton, Ohio.

Bonuses to Employees Are Held Non-Taxable

Bonuses paid by stockholders of the Universal Oil Products Company to former employees of that concern were gifts, rather than compensation, and hence should be excluded from the taxable income of the recipients, the Supreme Court of the United States has decided in a case brought by Arthur G. Bogardus, one of the former employees.

The company, which owned and licensed petroleum cracking patents, sold its stock to the United Gasoline Corporation in 1931, and at that time the former stockholders voted substantial bonuses to a number of former employees who had assisted in developing the company. The Commissioner of Internal Revenue, the Board of Tax Appeals, and lower courts, held that these bonuses should be taxed as part of the income of those receiving them, but a majority of the supreme court held that the records showed the payments clearly to be voluntary gifts. In a dissenting opinion four of the justices held that the question is one of fact and that regarless of the opinion of the supreme court the findings of the Board of Tax Appeals should be accepted.

Anchor-Hocking Merger Favored

Approval of the acquisition of the assets of the Hocking Glass Company and changing of the firm name to Anchor Hocking Glass Corporation, has been approved by stockholders of the Anchor Cap Corporation, it is reported.

Paint, Varnish, Lacquer Materials

Carbon Black Price Cut Again—Now a Full Cent Per Pound Below Price of a Month Ago—Dry Color Prices Expected This Week—Naval Stores Quiet

Carbon black prices were cut again last week. Last week's drop was confined to the rubber types of black and the cheapest grades, in carload lots, and was the third reduction in price since the beginning of this month. The latest decline in combination with those that preceded it, represented a drop of a full cent per pound below the price that had ruled without change for almost four years. Current prices are retroactive to November 1 and contracts are being solicited at the new basis.

Other price movements during the week included a decline in the price of casein, a reduction in the replacement cost of No. 1 Singapore dammar gum and a decline in bold black East India gum. An ester gum price reduction which took place earlier in the month was also reported.

Prices for chemical dry colors for the first quarter of 1938 were expected to make their bow some time this week. It had been indicated in market circles that prices would appear around December 1.

Sellers of some commodities were hesitant about naming firm prices for 1938 contracts because of the possibility that freight rates may be advanced.

Rosin again weakened in Southern and local markets last week. There was a somewhat better inquiry at the lower level but purchases were limited to moderate quantities, few consumers being inclined to provide for future requirements in view of the uncertainty concerning tax and other legislation at Washington. Turpentine was quiet and steady. Receipts were smaller as a result of less favorable weather for operations in the woods.

Price Changes

Prices were changed during the past week as follows:—

Advanced

None

Reduced

Black, carbon, c.l., ¼c. per lb.
Casein, dom., ½c. per lb.
Gum, copal, E.I., black bold, ¼c. per lb.
dammar, Singapore, No. 1, ½c. per lb.
Rosin, gum, 15c. to 50c. per 280 lbs.
Zinc slab, ½c. per lb.

Comparative Values

Index numbers compiled from eleven typical paint and varnish materials on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
133.4	133.4	133.4	131.1

Market news that may have developed after this report was sent to press will be found on page 4.

Metallic Lead and Zinc

Pig lead prices held without change during the week. Quotations were 4.85c. per pound at East St. Louis and 5c. to 5.05c. per pound at New York. There was very little purchasing interest shown and the demand was mainly for single car lots.

Zinc prices broke twice within the period under review. The first drop of ¼c. per pound took place on Monday and another ¼c. decline on Friday brought the East St. Louis price down to 5¼c. per pound. Zinc buyers were also shy of the market and very little was booked.

Lead.—Prevailing spot prices at New York, East St. Louis and London for the period from November 20 to November 26, inclusive, were as follows:—

	Pigs		Spot, London.
	Per pound		Per ton
	New York.	E. St. Louis.	£ s. d.
Saturday	$0.0500@.0505	$0.0485	.. .. ..
Monday	.0500@.0505	.0485	15 17 6
Tuesday	.0500@.0505	.0485	16 2 6
Wednesday	.0500@.0505	.0485	16 0 0
Thursday	*.....@.....	*.....	.. .. ..
Friday	.0500@.0505	.0485	15 10 0

* Holiday.

Zinc.—Prevailing spot prices at New York, East St. Louis and London for the period from November 20 to November 26, inclusive, were as follows:—

	Slabs		Spot, London.
	Per pound		Per ton
	New York.	E. St. Louis.	£ s. d.
Saturday	$0.0610	$0.0575	.. .. ..
Monday	.0585	.0550	14 17 6
Tuesday	.0585	.0550	14 17 6
Wednesday	.0585	.0550	14 18 9
Thursday	*.....	*.....	.. .. ..
Friday	.0560	.0525	15 2 0

* Holiday.

Pigments

Manufacturers of zinc oxides and lithopone who had not followed the lead of some of their competitors in booking contracts for the first quarter of 1938 did so last week. All of the producers were now seeking business for the first 90 days of the new year at unchanged prices from those currently in force. The titanium pigment manufacturers have been booking 1938 business since the middle of this month. Spot business was very dull last week and no price changes were reported.

White Lead.—The market was extremely quiet last week. Buyers showed no disposition to take in more than they need for prompt use. The manufacturers who book dry lead business on a quarterly contract basis had not yet taken a position for the opening quarter of next year.

Red Lead.—Sagging London prices gave the pig lead market here a jittery appearance last week but there was no change in the domestic price and the car lot and less than car lot quotations for dry red lead were also unchanged. For the past few weeks, the l.c.l. prices have been ¼c. per pound over their usual parity with the price of pig lead.

Litharge.—The position of this market was companionate with that of red lead. The l.c.l. prices were still ¼c. higher than their usual parity with the price of pig lead. Spot market trade was very small last week.

Lithopone.—The manufacturers were seeking contract business for the first quarter of next year at unchanged prices and terms from those currently in force. Those manufacturers who had not sought contract business a week ago were in the market last week. As in the case of other pigments, there was very little spot business and the withdrawals against the contracts now in force have been light.

Titanium Pigments.—The producers were getting a nice response from the trade in their drive to book contracts for next year. As reported previously, the prices and terms are unchanged from those now in force.

Zinc Oxides.—All of the manufacturers were now seeking 1938 contract business. Prior to last week, some of these factors had not taken a position on prices for the first quarter of 1938. The prices for all grades were unchanged from those currently in force. Slab zinc prices declined a half cent last week.

Antimony White.—Although the value of the metal has dropped precipitately during the past few days, there has been no change in the price of the derivative pigments.

Fillers and Extenders

Consumer interest in the market for inert pigments, fillers and extender materials continued light. There has been very little buying during the past several weeks and the market seemed destined for continued drift, according the opinions voiced on the nearby outlook. Prices held evenly against the quiet and listless character of the market.

CalciumSulphide.—The manufacturer of the luminous product have not made any recent change in prices. This producer also reports that contracts for 1938 are not being offered.

Graphite.—The producers of the grades used in graphite paint manufacture have not altered their prices

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

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and some report that they are not offering contracts for 1938 but would quote ahead at the prices that were now in effect.

Metronite.—There has been no change in the market since the article was last reviewed here. The producer has not offered any contracts for next year.

Pumice.—Prices continued without change on both the Italian and American ground materials. The demands of the market have been light.

Dry Colors

Carbon black prices were reduced again. Last week's drop was ¼c. per pound on the rubber grades and on the cheapest types of black. This decline coupled with the declines of the few preceding weeks made a net drop of 1c. per pound from the prices that had been in force for the past few years. The price of color blacks was not changed last week. Contract prices on chemical colors were expected to be made known this week.

Carbon Black.—Prices on the lowest-priced grades in car lots were reduced ¼c. per pound again last week. This latest drop makes for a total decline of 1c. per pound since November 1. The reduction is retroactive to November 1 and contracts were being solicited for 1938 at the prices established by the latest reduction. Car lot prices delivered by rail were now as follows:—Zone A, 3.45c. per pound; Zone B, 3¾c. per pound; Zone C (50,000 pounds), 3.90c. per pound; Zone C (30,000 pounds) 4.05c. per pound; Zone D, 3.90c. per pound; Zone E, 4.05c. per pound; Zone F, 4.35c. per pound; and Zone G, 4.55c. per pound.

Chrome Yellow.—From indications around the market last week, it was expected that prices for 1938 contracts would be made known this week.

Iron Blues.—In company with other colors, it was expected that prices for 1938 would appear this week. The current rate of withdrawal against contracts that expire with the end of this year was slow.

Toner Reds.—Prices for para, lithol, toluidine and Lake for red C will probably make their bow for 1938 some time this week. It had been indicated around the trade that the prices for next year would appear around December 1.

Varnish Gums

There were two price changes in the replacement market for natural gums last week. Both were declines. The price for No. 1 Singapore dammar moved down and quotations for bold black scraped East India gum were lowered. Most of the foreign markets were firm because of light supplies at the shipping points. There was very little buying interest on this side.

Copal.—The decline in bold black scraped East India gum was ¼c. per pound, establishing the car lot price of 6⅝c. per pound. Usual differentials for smaller quantities were in force.

Dammar.—Replacement market prices for No. 1 Singapore gum were lowered ½c. per pound last week to the basis of 21½c. per pound for carload lots. Usual differentials were named for smaller quantities. The Batavia market was steady.

Synthetic Resins

Because of the possibility of increased freight rates, the manufacturers of ester gum have not adopted a schedule of prices for contract business for the first quarter of 1938. The prices current are based at 9½c. per pound on car lots, 9¾c. for l.c.l. quantities over 10 drums and 10c. per pound for less than 10 drums. These prices were established earlier this month, representing a decline of ½c. per pound.

Naval Stores

A decline in rosin prices was followed by a somewhat better inquiry at one time but there was little disposition among consumers to purchase ahead, many buyers preferring to adhere to a very conservative policy pending further developments in legislative affairs at Washington as well as in the markets for securities and various commodities. There were reports current at one time to the effect that foreign buyers were manifesting rather more interest in the rosin situation as a result of the downward trend of prices but actual transactions for export account apparently did not involve important quantities. Clearances of rosin from Savannah on old contracts were rather liberal, however, the outward movement being sufficient to cause a decrease in stocks at that point. Business in turpentine was slow according to the official returns from Southern markets, although there were reports of a fair tankcar movement.

Weather conditions were less favorable for operations in the woods, abnormally low temperatures being reported at many points. As a result of the colder weather, production and marketing operations were on a somewhat smaller scale and the indications seemed to point to a further curtailment in the near future. There was still a disposition in some quarters to revise crop ideas for the season, some estimates now being for a decrease as compared with the previous season. Earlier in the year predictions of an increase of about 15 to 25 percent were current.

The French market for naval stores during October was quiet and weak, according to consular advices from Bordeaux. Domestic demand for turpentine and rosin was below normal for the month, and the domestic consumption of the two commodities continued to be adversely affected by reduced production of the paint, varnish, soap, and paper industries. Export demand for both turpentine and rosin was also light during October. Collection of the scrape crop was continued, and under favorable weather conditions the yield of gum was reported to be good. It is now estimated that the 1937 French Naval Stores crop may yield approximately 23,000 to 24,000 metric tons of turpentine, and between 80,000 to 84,000 metric tons of rosin. These estimates, however, are subject to revision, depending upon the total yield from the scrape crop. Total exports of turpentine for the nine months of 1937 were 666.6 metric tons, valued at 2,615,000 francs, as against 307.6 metric tons valued at 1,050,000 francs for the same months in 1936. Rosin exports for the respective periods were 22,926 metric tons, valued at 45,632,000 francs, and 24,997 metric tons, valued at 22,026,000 francs.

Turpentine.—The local market had a steady tone in the absence of any material change in the primary situation. In the South offerings from day to day were moderate and variations in prices were narrow. Business here was quiet. Occasional inquiries were noted but actual purchases were apparently limited to comparatively small quantities to fill the current needs of consumers. Southern advices reported a fair tankcar movement but sales in primary centers as officially announced were light. Receipts were smaller.

SAVANNAH, Nov. 26.—Turpentine was fairly active and the prevailing tone was steady. Following is a record of the market for the week:—

	Cents per gal.	Barrels Sales.	Re-ceipts.	Ship-ments.	Stocks.
Saturday	27	35	219	102	38,498
Monday	27	34	216	1,635	37,039
Tuesday	27	72	204	457	36,826
Wednesday	27	57	454	57	37,223
*Thursday	..	...	...	...	.....
Friday	27	49	396	226	37,393

* Holiday.

JACKSONVILLE, Nov. 26.—The turpentine market had a steady tone. Receipts were moderate. Following is a record of the market for the week:—

	Cents per gal.	Barrels Sales.	Re-ceipts.	Ship-ments.	Stocks.
Saturday	27	22	181	...	16,603
Monday	27¼	93	247	124	16,728
Tuesday	27	58	163	10	16,879
Wednesday	27	37	130	...	17,009
*Thursday	..	...	...	...	.....
Friday	27	37	462	556	16,905

* Holiday.

PENSACOLA, Nov. 20.—The turpentine market was quiet and steady. Following is a record of the market for the week:—

	Barrels Re-ceipts.	Ship-ments.	Stocks.
Monday	194	...	26,443
Tuesday	138	...	26,581
Wednesday	57	122	26,516
Thursday	110	...	26,626
Friday	133	...	26,759
Saturday	81	127	26,713

CHICAGO, Nov. 26.—The turpentine market remains extremely dull. Ruling prices at the close of business last night were: Five-drum lots, 37c. per gallon; five wood barrels, 42c.; single drums, 40c.; single barrels, 45c.

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LONDON, Nov. 26.—Quotations on turpentine were as follows:—

	Per cwt. in bbls. s.	d.
Saturday	31	6
Monday	31	6
Tuesday	31	6
Wednesday	31	3
Thursday	..	..
Friday	31	3

Stocks of American turpentine in London were:—

	Nov. 26.	Previous week.	Last year.
Barrels	17,089	17,899	10,442

Rosin.—A somewhat better inquiry was noted here at one time following weakness in primary centers, but, as in recent preceding weeks, purchasing was generally limited to comparatively small quantities, and the movement for the period was apparently unimportant in the aggregate. Southern advices reported a somewhat better foreign inquiry. Clearances on unfilled contracts were larger, and at Savannah stocks showed a further decrease. Receipts in primary markets were lighter.

SAVANNAH, Nov. 26.—Rosin was fairly active. Changes in quotations were generally moderate. Following is a record of the market for the week:—

	Price per unit—Low of range quoted— Sat.	Mon.	Tues.	Wed.	*Thurs.	Fri.
B	$5.60	$5.50	$5.30	$5.25	...	$5.15
D	5.60	5.50	5.30	5.25	...	5.15
E	5.60	5.50	5.30	5.25	...	5.15
F	6.05	6.00	5.90	5.75	...	5.65
G	6.10	6.00	5.90	5.75	...	5.65
H	6.10	6.00	5.90	5.75	...	5.70
I	6.10	6.00	5.90	5.75	...	5.70
K	6.10	6.00	5.90	5.75	...	5.70
M	6.10	6.00	5.90	5.85	...	5.80
N	6.25	6.00	6.00	5.90	...	5.85
WG	6.70	6.50	6.45	6.45	...	6.40
WW	7.00	6.75	6.75	6.75	...	6.75
X	7.00	6.75	6.75	6.75	...	6.75
	Barrels					
Sales	587	729	804	618	...	878
Receipts	1,314	1,053	1,933	1,104	...	1,518
Shipments	1,256	3,340	4,790	140	...	558
Stocks	85,549	83,262	80,465	81,429	...	82,329

* Holiday.

JACKSONVILLE, Nov. 26.—Rosin prices were irregular but the undertone of the market was steady. Following is a record of the market for the week:—

	Price per unit—Low of range quoted— Sat.	Mon.	Tues.	Wed.	*Thurs.	Fri.
B	$5.50	$5.50	$5.50	$5.10	...	$5.15
D	5.50	5.50	5.50	5.10	...	5.15
E	5.65	5.50	5.50	5.10	...	5.15
F	6.05	6.00	5.90	5.70	...	5.65
G	6.10	6.00	5.90	5.70	...	5.65
H	6.10	6.00	5.90	5.75	...	5.65
I	6.10	6.00	5.90	5.75	...	5.65
K	6.12½	6.00	5.90	5.75	...	5.70
M	6.15	6.05	5.90	5.75	...	5.70
N	6.25	6.10	6.00	5.80	...	5.80
WG	6.70	6.55	6.45	6.50	...	6.35
WW	7.00	6.85	6.70	6.75	...	6.50
X	7.00	6.85	6.70	6.75	...	6.50
	Barrels					
Sales	249	625	655	827	...	464
Receipts	562	711	569	751	...	1,083
Shipments	...	...	1,210	10	...	1,510
Stocks	51,427	52,138	51,497	52,238	...	51,811

* Holiday.

PENSACOLA, Nov. 20.—The rosin market was quiet. Following is a record of the market for the week:—

	Barrels Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
Receipts	578	459	80	474	402	313
Shipments	...	188	...	200	545	1,319
Stocks	28,625	28,806	28,976	29,250	29,107	28,101

CHICAGO, Nov. 26.—Extreme dullness continues to characterize the general naval stores situation, and the rosin market has declined additionally under this lack of interest. Ruling prices at the close of business last night were: B grade, $8.30 per lot of 280 pounds; G grade, $8.90; W. W. grade, $8.99; W. W. grade, $9.75.

LONDON, Nov. 26.—Quotations on American rosin were as follows:—

	Per cwt. in barrels— Common. s.	d.	W.W. s.	d.
Saturday	16	6	18	9
Monday	16	6	18	9
Tuesday	16	6	18	9
Wednesday	16	6	18	9
Thursday	..	..	..	..
Friday	16	6	18	9

Pine Oil.—There was a steady movement into consuming channels on contracts and although new business was apparently quieter, the tone of the market remained firm on the basis of previous quotations.

Pitch.—Quotations were generally held at former levels by local sellers, the tone of the market being steady. Business was fairly active though consumers were apparently disinclined to anticipate.

Rosin Oil.—The market was steady at the recent decline. There was no broadening of trade, but a fair inquiry for moderate quantities was received from local and other consumers.

Tar.—Selling schedules were maintained at former levels, the tone of the market apparently being firm. Business was fairly active.

Shellac

No further shifting in spot quotations on shellac was noted last week but the market was still very dull and competition remained an irritant that tended to keep values in a state of flux and subject to unsettlement. However, a tempering element in the local situation was the absence of any weakness in the foreign markets. Changes in London and Calcutta were within very narrow limits and, in fact, the virtual stability of values despite the not substantial demand from the United States continued to be something of a feature. During October, London stocks of shellac showed the biggest decline since March. Receipts of shellac in October totaled 9,012 packages, while deliveries were at the high quantity of 15,714 packages. Stocks of shellac were thus reduced by 6,702 packages, and at the end of October the total quantity on hand amounted to 136,664 packages.

Calcutta, Nov. 26.—Calcutta quotations basis of sterling exchange at $4.88, for shellac for later delivery have been as follows:—

	Per pound— Nov. 26.	Nov. 19.
December	98s.	91s.

Quotations in cents per pound were subject to correction in accordance with the rate of exchange prevailing on London.

Day-to-day prices were as follows:—

	Per pound.
November 19	9½c
November 20	9½c
November 22	9½c
November 23	9½c
November 24	9⅝c
*November 25	....
November 26	9⅝c

* Thanksgiving Day.

London, Nov. 26.—London prices quoted on pure T. N. c.&f. New York, basis of sterling exchange at $4.88, were as follows:—

	November 26— Shillings. Cwt.	Cents. lb.	November 19— Shillings. Cwt.	Cents. lb.
December	41	8.9	41½	9.0
March	43	9.4	43½	9.5

Quotations in cents per pound were subject to correction in accordance with the rate of exchange prevailing on London.

Day-to-day prices were as follows:—

	Per hundredweight— December.	March.
November 19	41s 6d	43s 6d
November 20	41s 6d	43s 6d
November 22	41s 6d	43s 6d
November 23	40s 6d	42s 6d
November 24	41s ..	43s ..
*November 25	... ..	... ..
November 26	41s ..	43s ..

* Thanksgiving Day.

Lacquer Materials

Business in the market for lacquer solvent continued quiet during the week, prices were firm. In fact, indications were that the majority of prices will be extended to cover first quarter requirements. Sellers of acetone reported that quotations appeared firm at the levels established in the preceding period. Film scrap was in a firm position, with sellers making first quarter 1938 contracts at current price levels. Reports from the automobile industry indicated that production continued along conservative lines. It was evident that the automobile manufacturers were awaiting definite settlement of the labor question before broadening production schedules.

Acetone.—Sellers reported prices were firm at the levels established in the preceding period. Demand was good.

Butyl Alcohol.—Shipments were moving against current contracts at a fair pace, and first quarter prices were reported to represent an extension of the current schedule.

Dibutyl Phthalate.—Interest in this market was concerned with actual needs, prices were firm, and sellers were writing first quarter 1938 business at current levels.

Ethyl Acetate.—A fair buying movement was noted here. Quotations ruled firm.

Film Scrap.—Prices continued to display a strong tone. While demand may slow down, considering the trend of general business, it was pointed out that supply may be shorter as picture production is in a temporary slump.

Driers

The stearate manufacturers have not yet taken a position on contracts for the initial quarter of 1938. Manufacturers' comparisons of raw material costs with a year ago revealed that the price paid for acid today is practically the same as it was a year ago. Because of this comparison it might be a safe guess that prices for derivative stearates will remain unchanged when contracts for the first 90 days of 1938 are issued. This guess, however, does not take into consideration labor cost or extra taxation this year.

Glues and Binders

Casein.—The domestic article moved down ½c. per pound during the week.

Current prices on paint, varnish and lacquer materials are given in the alphabetical list of prices beginning on page 7

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IMPERIAL
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HORN, JEFFERYS & CO.
CABLES "GALLEON" BURBANK, CALIFORNIA

Quotations were now 12c. to 13c. per pound for 20-30 mesh and 12½c. to 13½c. per pound for 80-100 mesh, both in carload lots, basis delivered. The Argentine was being offered freely now at 14c. per pound duty paid for 20-30 mesh and 14½c. per pound for the fine mesh. There were few takers of Argentine and the aforementioned prices did not prove tempting, even though the prices last paid for Argentine were around 18c. per pound.

Glues.—The market was bare of new developments during the week. Quotations were unchanged and there was very little buying interest.

Metal Powders and Leaf

As reported a week ago, the manufacturers of aluminum powder and paste have withdrawn prices pending a revision of the price schedule which was necessitated by unsettled conditions within the industry. The new price list has not yet appeared.

Balto. P.V.L.A. to Hold Christmas Party Dec. 17

The Baltimore Paint, Varnish and Lacquer Association will turn its next monthly meeting, December 17, into a Christmas party. J. F. Whitescarver is chairman of the entertainment committee for the occasion.

At its November meeting, Harry J. Kelchner, of the New Jersey Zinc Company, new member; H. J. Schnorbus, new manager of the Baltimore district of the Pittsburgh Plate Glass Company; Frank E. Hawley, of the Wheeling Corrugating Company, and Leroy Foulkrod, of the Star Brush Company, were formally introduced to the organization.

The application for membership from the Owens Illinois Can Company was ratified by the full meeting, J. H. Schaeffer being the local representative of the corporation.

Glidden Advances Zappert To Executive Department

T. H. Zappert, who has been regional director of the Pacific Coast division of the Glidden Company, has been transferred to the executive department in the Union Trust building, Cleveland, to assist Paul E. Sprague, vice-president in charge of the metal, chemical and pigment sales divisions of the company.

T. H. Zappert

Mr. Zappert, as assistant general sales manager of the chemical and pigment division, will be occupied chiefly in assisting Mr. Sprague in the sales of the white pigments manufactured by the chemical and pigment and Euston lead divisions of the company.

Paint Styling Council to Meet

Horace S. Felton, chairman of the Council for Paint Styling, has designated December 15 as the date for a meeting of the council at the Pennsylvania Hotel, this city, at 10:30 a. m. A letter to members of the council issued by Laurence Kiefer, secretary, states that this will be the first meeting since the council received the approval of the National Paint, Varnish and Lacquer Association at its 1937 convention in Cincinnati, to proceed promptly with the paint styling program.

Louisville P.V.P.C. Hears Browne on Paint Failures

The Louisville Paint and Varnish Production Club, at its 116th meeting, heard Dr. F. L. Browne, of the Forest Products Laboratory, discuss the findings of this organization in the matter of paint failures, etc., before forty-five members and guests.

Starting with his recent publication on house classification, Dr. Browne illustrated with charts the grouping of present-day paints into various classes. The distinction in service and type of failure was outlined with special emphasis that house paints are not giving in practice the protection of which they are capable. The viewpoint of the property owner was contrasted with that of the manufacturer. Charts illustrating thinning directions explained the painter's lack of regard for directions printed on the label.

Mr. Charles Blatz of the Blatz Paint Company was elected to membership.

Building Field Needs Confidence, Says Trigg

WASHINGTON, Nov. 22, 1937.

Steps to correct public misunderstandings and bring about confidence in the minds of prospective property owners so that they may be encouraged to achieve their dream of home-building were urged today by Ernest T. Trigg, President of the National Paint, Varnish and Lacquer Association, speaking as chairman of the conference on local residential construction, sponsored by the Chamber of Commerce civic development department.

Pointing out that much-discussed higher building costs were definitely offset by favorable factors in financing—he quoted a previous speaker, B. L. Johnson, who showed that a reduction of 1 percent in interest rate on an 18-year mortgage amounted to a saving of 18% on the principal—Mr. Trigg declared that costs alone should not influence a man's decision to build. Community respect, stability in home surroundings for children, a sense of security, protection for the future, all these factors should bear on the situation, said Mr. Trigg.

The building industry, said Mr. Trigg, now has "a tremendous unsold market with adequate material and labor and with financing available on a modern single long term amortized mortgage basis. The job, therefore, on which we should concentrate, it seems to me, is to bring all of these essential factors together to the end that it all spells a substantial supply of new home units to meet the public requirement."

Legislation that will restore public confidence, measures to keep down building costs, including financing, and concentration on homes of about $5,000 cost were suggested as important points on which to concentrate.

L. H. Butcher Company, with offices in Seattle, Portland, Salt Lake City, San Francisco and Los Angeles, has completed its annual convention, held this year at the Mayfair hotel, Los Angeles. The company's policies and plans have been fully outlined for the coming year. The organization is one of the largest firms of distributors operating on the Pacific Coast and in the inter-mountain territory.

N.P.V.L.A. Executives Will Meet January 13

The executive committee of the National Paint, Varnish and Lacquer Association will meet in the Pennsylvania hotel, this city, January 13, at 11:00 a. m. The meeting has been called by the chairman, Frank L. Sulzberger, Chicago, and will be for the purpose of effecting organization of the committee.

Industrial Partnership Outlined

P. H. Callahan, president of the Louisville Varnish Company, Louisville, Ky., in an address at the Indiana University, November 9, outlined the Ryan-Callahan plan for industrial partnership, which provides that workers have a share in the management and profits of industry. The plan involves three principles, he said:—"First, all workers should have a living wage; second, 6 percent of the profits of the company should be given to the owners as interest on their investment; and, third, 50 percent of the remaining profits should be given to the employees in ratio to the wages they receive, and 50 percent to the stockholders of the company."

CONTROLLER BACKS ACTION

He Says Department Will Use Old Mac[illegible] Till Dispute at Pl[illegible] Is Settled.

Grayson said, but it will be composed exclusively [illegible] from the army, [illegible] Corps, the cade[illegible] regiments from We[illegible] napo[illegible] and small[illegible] bled [illegible] Gov[illegible] ernors [illegible] invi[illegible] partic[illegible] ea[illegible] will be [illegible] com[illegible] for [illegible] Cold weather [illegible] Fe[illegible] the occasion, which [illegible] verse the mile from the [illegible] the White [illegible] last morn[illegible] The pl[illegible] keepin[illegible] ire fo[illegible]

YOUNG ROOSEVELT [illegible] SAVED [illegible] NEW D[illegible]

EDWARD PLAYS GOLF [illegible] HILE RUMORS [illegible]

[illegible]tylin i[illegible] on Streptococcus Infection of the Throat

[illegible] and Bowling at His Retreat as Wild Tales Are Disproved.

[illegible]OR MISLEADS WRITERS

[illegible]ar All Access to [illegible] for Mrs. [illegible] Cannes.

Hers Real News

WITH inexpensive oils, fats and fatty acids in great demand, Industrial's large supplies of Liqro and Indusoil are welcome news to users of fats and oils. The Paper Industry is fast becoming an important source of raw materials for users of Fatty Acids, Abietic Acid and Pitch. Industrial Chemical Sales is a pioneer refiner of these products and from its plants at Covington, Va., and Charleston, S. C. can offer large quantities of the following:

LIQRO

A blend of crude pine fatty acids, with the following specifications:

Acid No.	150 to 160
Rosin Acids	40 to 50%
Fatty Acids	35 to 45%
Sterols	15 to 20%

This material is available in large quantities both from our Covington, Va. mill and our new mill at Charleston, S. C.

Indicated uses are for asphalt emulsions, cutting oils, low priced soaps, and many other applications where a low price fat is a requirement.
Present prices on contract F.O.B. Charleston, S.C.

Tank Cars —$35.00 per ton
Carloads, in drums—$45.00 per ton

Large samples and specific data available on request.

INDUSOIL

A blend of **refined** fatty acids, with the following specifications:

AVERAGE QUALITY OF INDUSOIL

Specific Gravity 60°/60° F	0.96-0.98
Pour Point	47°F-52°F
Viscosity (Saybolt)	
@ 100° F	700-900 Sec.
@ 210° F	70-80 Sec.
Flash Point	350-380° F.
Fire Point	410-430° F.
Sediment	None
Moisture	Practically None
Ash	Practically None
Completely Soluble in Petroleum Ether	
Acid No.	150-170
Saponification Value	150-170
Color (Rosin Scale)	G-I
Fatty Acid	43-47%
Rosin Acids	38-42%
Sterols	13-17%

Excellent as a blend with red oil for textile soaps and can be used with red oil for most other applications required of red oil, including cutting oils, drawing compounds, soluble oils, pine scrubs, etc.

PITCH

A new type pine fatty acid pitch, available from the distillation of Liqro, resulting in a pitch of excellent color and with a melt-point of 85° to 95° F.

ABIETIC ACID

A distilled product, excellent in color and meeting the following requirements:

Acid No.	176-185
Saponification No.	176-185
Iodine No.	150 to 170
Color (Rosin Scale)	N (Opaque)
Melting Point	230° F to 250° F

Samples, Specific Data, and Additional Information can be secured by writing

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[illegible] and writing other branches

[illegible] is a disposition in some quarters to regard the Primate of All England as the chief enemy of the Duke

[illegible] would have difficulty in finding a salon large enough to accommodate

[illegible] to be used for modifying and under control a possible boom

Oils, Fats and Waxes

Far Eastern Oils Continue to Weaken in Absence of Demand—Lard Trend Still Downward—Narrow Changes in Refined Cottonseed Oil Futures—Crude Sardine Oil Firmer—Trade Slow

Quotations on miscellaneous oils, fats and greases continued in downward trend last week, many commodities being available at further concessions. Business remained slow so far as the general list was concerned. In a few instances a fair demand was noted but as a rule purchasing was of the hand-to-mouth variety, the weakness at times in the markets for securities and various speculative commodities of importance, as well as the existing uncertainty concerning the outlook at Washington, making a cautious policy seem advisable, despite the comparatively low prices now prevailing for many oils and fats.

Chinawood oil remained easy on spot in the absence of any demand, and quotations were again shaded. Oiticica and perilla oils were also reduced. Cocoanut oil was available at further concessions. Palm oil was easier, the tone of the market being influenced by the trend of competing product. Lard again weakened on spot owing to a further decline in futures in the West where speculative sentiment was bearish owing to an expansion in the movement of live hogs. Tallow offerings were somewhat freer and the market was easier, sales being reported at a further decline. Greases were also shaded. Stearic acid and red oil were steady at the recent decline. Quotations on lard and neatsfoot oils were revised downward by producers. Refined fish oils were steady. Crude sardine oil was stronger.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Sardine oil, crude, 1c. per gal.

Reduced

Babassu oil, ¼c. per lb.
Chinawood oil, ½c. per lb.
Cocoanut oil, crude, ⅛c. per lb.
Cocoanut oil, edible, ¼c. per lb.
Copra, 1-20c. per lb.
Corn oil, ¼c. per lb.
Cottonseed oil, crude, ⅛c. per lb.
Grease, ⅛c. to ¼c. per lb.
Lard, 25c. to $1.25 per 100 lbs.
Lard oil, ¼c. to ½c. per lb.
Neatsfoot oil, extra and prime, ¼c. per lb.
Oiticica oil, ½c. per lb.
Olive oil, denatured, 5c. per gal.
Olive oil foots, ¼c. per lb.
Palm oil, ⅛c. to ¼c. per lb.
Palmkernel oil, ¼c. per lb.
Perilla oil, ½c. per lb.
Rapeseed oil, denatured, 1c. per gal.
Stearin, ½c. per lb.
Tallow, ¼c. per lb.
Teaseed oil, ¼c. per lb.

Comparative Values

Index numbers compiled from twenty-three typical oils, fats and greases on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
123.6	126.2	132.1	138.8

Market news that may have developed after this report was sent to press will be found on page 4.

Vegetable Oils

Babassu.—The market had an easy tone, this being a reflection of recent developments in coconut and other vegetable oils. Quotations were shaded ¼c. Few inquiries were received.

Chinawood.—Local and Pacific coast markets were quiet, buyers still being inclined to await further developments in the situation abroad. Reports continued to be heard of occasional offerings for shipment from Hongkong at around 14c. per pound but only comparatively small supplies were said to be available. In any event consumers, as already intimated, manifested very little interest in futures or spot oil. Offerings of resale oil were reported here at from 14½c. to 15c. per pound.

Coconut.—An easy tone continued to prevail. With other commodities dull and in downward trend, consumers of crude coconut oil were still inclined to hold off. Quotations here were shaded ⅛c. per pound, and Coast advices also reported a decline of ⅛c. there. Copra was easy at a further slight decline. Edible oil was reduced ¼c. by refiners. The inquiry was limited to unimportant quantities.

Corn.—The market was easier, the tone being influenced by the course of other oils. The inquiry was slow, buyers being inclined to hold off for further developments. Quotations were shaded ⅛c. to ¼c. per pound.

Cottonseed.—Edible oil met with a fairly active inquiry and the market was steady, previous selling schedules being adhered to by refiners. Imported oil was still generally nominal.

Oiticica.—The easier position of chinawood oil was reflected in oiticica oil, quotations being revised downward ½c. The figures were mainly nominal, however, in the absence of any increase in offerings.

Olive.—The market had an easier tone although offerings of both denatured oil and foots were reported as light. Quotations were revised downward 5c. on the former and ¼c. on the latter. There were reports of a somewhat better inquiry for moderate quantities.

Palm.—A downward trend in other oils and fats gave the market for palm oil an easy tone. Quotations were shaded ⅛c. to ¼c. Offerings were light on spot and for shipment. Buying interest was lacking.

Perilla.—Demand was slow and the market had an easier tone. Quotations were shaded ½c. Spot supplies appeared to be comparatively small and offerings for nearby arrival were reported as light.

Rapeseed.—The supplies available for prompt delivery were reported as small but in the absence of any demand of consequence the market was easier, quotations being reduced 1c.

Soybean.—The market retained a steady tone, previous selling schedules being repeated by producers. Consumption was said to be on a fair scale but new business remained quiet.

Teaseed.—Quotations ranged from 9c. to 9¼c. per pound, showing a reduction of ¼c. Offerings were reported as light on spot and for shipment from abroad.

Markets at Other Centers

San Francisco, Nov. 23.—Values in vegetable oils failed to show much further decline last week, although the market was not afforded any real opportunity for a test, conditions remaining very slow and quiet throughout.

Ruling prices are:—

COCONUT.—The market remains slow and mostly inactive, although there was reported a sale here during the week at 3¾c. per pound, tankcar, f.o.b. Pacific Coast, for deferred delivery. Quoted today at this figure.

COPRA.—Buying is only routine and commitments are only being made for a short time ahead. Quotations are ruling today at from 2.30c. to 2.35c. per pound, c.i.f. Pacific Coast ports, although it is somewhat difficult at the moment to arrange shipments on the former figure. Europe is in the market, reports say.

PERILLA.—Crude oil is quoted on the basis of 11¼c. per pound in tankcars, f.o.b. Pacific Coast for spot and nearby positions and 10½c. per pound for deferred delivery. Prices are mostly nominal in the absence of trading. Drums, 1c. higher.

RAPESEED.—Refined oil is quoted on the basis of 11c. per pound, duty paid, tankcars, f.o.b. Pacific Coast ports.

TEASEED.—Quoted on the basis of 8¾c. per pound in tankcars, nominally, f.o.b. Pacific Coast ports, November/December shipment from the Orient.

Chicago, Nov. 26.—Buyers in the general vegetable oil market are exhibiting extreme caution and are holding down their purchases to quite low levels.

COCONUT.—Crude oil, 3⅞c. to 4c. per pound, partly nominal. Refined, edible oil, 10c. to 10¼c. per pound, car lots; and 10½c. to 10¾c., barrels, less than car lots.

CORN.—Crude, low acid, 6½c. to 6¾c. per pound, partly nominal. Refined, edible oil, 10c. to 10¼c. per pound, car lots; and 10½c. to 10¾c., drums, less than car lots.

CHINAWOOD.—Ruling, nominal, 16c. to 17c. per pound.

SOYBEAN.—Crude, mills, 5½c. to 5¾c. per pound, spot; futures, same price.

PEANUT.—Crude, 6½c. to 6¾c. per pound, Southeast.

Chicago, Nov. 26.—Range for soybeans for the week ended Nov. 23, 1937:—No. 2, yellow, spot, 92c. to 94½c.

Linseed Oil

Changes in flaxseed prices were generally moderate. Linseed oil, cake and meal steady.

Flaxseed—DULUTH, Nov. 26.—Despite the news from Argentina and elsewhere regarding flax conditions, and of a nature that would warrant an outlook of strength, this market has been most quiet for the last week, and there is nothing to indicate increased interest for the immediate future. Cash flax is virtually an unknown quantity and futures have received no attention for some time.

The week's closing price was as follows:—

	Cash.	Dec.	May.
Saturday	...	$1.92	$1.98
Monday	...	1.92	1.98
Tuesday	$2.03½	1.91	1.95
Wednesday	2.04	1.91	1.95
*Thursday	...	...	...
Friday	...	1.93	1.97

* Holiday.

Crop movement in bushels follows:—

	Receipts— 1937.	1936.	Shipments— 1937.	1936.
This week..	87	257	192,576	....
Since Aug. 1...	687,695	843,366	801,598	381,840

MINNEAPOLIS, Nov. 26.—The cash flax situation is unchanged. A ready demand prevails for moderate offerings and crushers absorb most of the seed that is coming in. Duluth is out of the market and all of the northwestern movement is coming to Minneapolis. Elevator operators pick up a few cars from day to day, chiefly for dockage. Sales out of store recently have been very limited.

Chicago was the chief buyer of local elevator seed for a time, but because of boatloads going out of Duluth to that and eastern points, is at present out of the market, and shipments from here dropped off sharply. Nothing has been shipped for the past few days.

Farm selling is light but may improve as the holiday season nears and farmers want money. Prices are down sharply and there is no desire to sell at the moment. Shipping advices are light. Not much of a movement is expected for the time being. Because of light receipts local elevator stocks decreased 25,000 bushels in three days, although crushers are only running about 40 percent of their capacity.

Consignments are limited and general. There is a little seed coming from North Dakota and northern Minnesota, and a smaller movement from southern Minnesota. South Dakota continues to ship

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

STEARIC ACID
Single Pressed and Double Pressed
Now available in either cake or flake form
Triple Pressed
IVORY BRAND
RED OIL
(OLEIC ACID)
RUBY OLEINE BRAND *{distilled}*
STAR BRAND *{saponified}*
CANARY BRAND
{very pale yellow, especially suitable for best types of dry cleaners' soaps.}
PROCTER & GAMBLE
MAIN OFFICES
Gwynne Bldg., Cincinnati, Ohio
205 E. 42nd St., New York City
Branches and stocks in all large cities

CRESYLIC ACID
English A.D.F. Specification
FATTY ACIDS
All Kinds
JAPAN WAX
CARNAUBA WAX
T. G. COOPER & CO., Inc., 47-49 N. Second St., Philadelphia, Pa.

THE BRODÉ CORPORATION, MEMPHIS TENNESSEE
COTTON SEED MEAL, CAKE, HULLS, HULL BRAN, CRUDE AND REFINED COTTON SEED OIL, PEANUT AND SOYA BEAN PRODUCTS
Codes: Yoppa, Robinsons, Bentleys, A. B. C. 5th Edition

ASK WECOLINE *before You Buy*
WHITE DISTILLED
FATTY ACIDS
• COCONUT • CORN
• SOY BEAN • LINSEED
• WHITE OLEIN • LAURIC
• SPECIALTY FATTY ACIDS
Factory: Boonton, N. J.
Sales Offices - - New York City and Chicago
WECOLINE PRODUCTS INC.

A. GROSS & CO.
We Specialize in WHITE OLEINE
Since 1837 Manufacturers of Saponified and Distilled
FLAKE STEARIC ACID STEARIC ACID RED OIL
FATTY ACID GLYCERINE
STEARIC and BEESWAX CANDLES CHURCH ACCESSORIES
Sales Office: 122 East 42nd Street New York
Factories: Newark, N. J., and Baltimore, Md.

Stearic Acid
for all purposes
RED OIL • • • GLYCERINE • • • CANDLES
THE M. WERK CO., CINCINNATI, OHIO, U. S. A.
Established 1832
New York Sales Office • 15 Moore St., • New York City
Chicago Sales Office • 4103 So. La Salle St., • Chicago, Ill.

virtually nothing and there is nothing moving from Montana.

The week's closing price range was as follows:—

	Cash.	Dec.	May.
Saturday	...	$1.94	$1.97
Monday	...	1.92½	1.94½
Tuesday	$2.04½	1.91½	1.94½
Wednesday	2.06	1.93	1.96
*Thursday	...	...	...
Friday	1.96	1.93	1.96½

* Holiday.

Crop movement in bushels as follows:—

	Receipts 1937.	Receipts 1936.	Shipments 1937.	Shipments 1936.
This week..	55,760	97,300	10,700	23,440
Since Sept. 1...	2,760,930	1,297,050	346,640	202,140

WINNIPEG, Nov. 26.—Trading in flaxseed futures was quieter and changes in quotations were generally within moderate limits. The week's closing range was as follows:—

	Cash.	Dec.	May.
Saturday	$1.74¼	$1.72⅝	$1.73¼
Monday	1.74	1.72½	1.72½
Tuesday	1.73¼	1.71⅝	1.71⅝
Wednesday	1.72	1.71	1.71
Thursday	...	...	...
Friday	1.70	1.70½	1.71½

BUENOS AIRES, Nov. 26.—Opening prices per bushel on November contracts were:—

	Last week.	Last year.
Saturday	$1.33¾	$1.13½
Monday	1.33⅝	1.15½
Tuesday	1.34⅞	1.15½
Wednesday	*1.22⅝	1.15⅞
Thursday	...	1.15⅞
Friday	1.19⅞	1.15⅞

* February.

Exports

To—	Bushels Last week.	Previous week.	Last year.
United States.....	419,000	787,000	335,000
United Kingdom..	.....	4,000	8,000
Continent	345,000	299,000	697,000
Orders	242,000	307,000	638,000
Others	.....	28,000	58,000
Totals	1,006,000	1,425,000	1,736,000

Since January 1

To—	Bushels This year.	Last year.
United States.....	24,244,000	13,065,000
United Kingdom.....	512,000	859,000
Continent	21,104,000	26,164,000
Orders	17,008,000	12,955,000
Others	5,215,000	2,703,000
Totals	68,083,000	55,686,000

Visible Supply

	Bushels.
Last week.....	2,204,000
Previous week.....	1,969,000
Last year.....	2,756,000

INDIA.—Exports of flaxseed from India last week were as follows:—

To—	Bushels Last week.	Previous week.	Last year.
United Kingdom..	36,000	56,000	192,000
Continent	.....	.....	.....
Others	.....	.....	.....
Totals	36,000	56,000	192,000

Since April 1—	Bushels This year.	Last year.
United Kingdom.....	6,311,000	7,276,000
Continent	268,000	812,000
Others	888,000	356,000
Totals	7,467,000	8,444,000

HULL, Nov. 26.—Quotations on flaxseed were:—

	Per ton La Plata.	Bombay.
Saturday	£12⅝	£15
Monday	12⅝	15
Tuesday	12⅝	15
Wednesday	12½	14⅞
Thursday	...	...
Friday	12½	14⅞

Linseed Oil.—The local market was a rather small affair last week, buyers being inclined in many instances to hold off for further developments in other commodities as well as in the Argentina crop situation. Uncertainty concerning the domestic political outlook was also reflected in the attitude of buyers. The tone of the market was steady, however, and quotations were held at the levels prevailing at the close of the previous week.

Quieter conditions were also reported in advance from outside points, not only in the matter of new business but also with respect to the movement into consuming channels on unfilled contracts, though the latter development was regarded by some as merely a normal feature for this period of the year when consumers and dealers are not inclined to add to inventories.

Flaxseed futures were quiet in domestic markets and changes in quotations were generally moderate. Demand for cash seed in northwestern centers, though less active than recently, was sufficient to absorb the moderate offerings. The country movement was light and seemed likely to continue so unless prices advance to a highel level than now prevails.

Crop accounts from Argentina were unfavorable in some instances as a result of recent frosts, but it was said to be too early to get anything like a definite idea as to the probable size of the yield.

Receipts o fflaxseed at New York last week were 223,141 bushels.

There was no trading in linseed oil futures on the New York Produce Exchange from November 20 to November 26, inclusive. Following is a price record for the week:—

	Cents per pound in tanks— High.	Low.	Close.
March	...	...	9.00@9.40
May	...	...	9.10@9.50

MINNEAPOLIS, Nov. 26.—Because of business conditions and weak stock markets, buyers of linseed oil have no confidence and are limiting their purchases to small quantities for nearby needs. Improvement in Argentine news also has a tendency to hold them back.

Shipping instructions on old and maturing contracts are moderate to light and quite disappointing. Crushers are operating about 40 percent of their rolls at the moment and have no intentions to put more in use immediately. Currently more oil is being made than shipped and stocks are gaining some.

Quotations on carload lots f.o.b. Minneapolis, cooperage, 10.6c. per pound, tankcar lots 10c. per pound and warehouse lots 11c. per pound.

Shipments of oil in pounds were as follows:—

	1937.	1936.
This week.....	519,024	1,527,307
Since Sept. 1.....	16,345,844	13,044,592

SAN FRANCISCO, Nov. 23.—Business in linseed oil is practically dormant, only a small interest being held, and that for spot drum lots. Meantime, quotations follow:—Tankcars, 10c. per pound; drum car lots ex-mill, 10.6c.; drum lots ex-warehouse, 11c.

CHICAGO, Nov. 26.—Linseed oil is moving only slowly. Ruling prices are:—Tankcar, 10c. per pound; car lots, 10.6c.; less than car lots, 11c.

LONDON, Nov. 26.—Quotations on linseed oil were:—

	Per cwt. s.	d.
Saturday	26	7½
Monday	26	7½
Tuesday	26	6
Wednesday	26	3
Thursday	..	..
Friday	26	3

Cake and Meal.—A steady tone prevailed in the local spot market, quotations on both cake and meal being held at former levels. There was a fair domestic demand for meal. The export inquiry for cake was quiet.

MINNEAPOLIS, Nov. 26.—Demand for linseed meal is aggressive and the tone of the market is strong. Buyers want to trade and only one or two crushers are willing to sell. Re-sellers have liquidated most of their holdings and are holding their prices even with those quoted by crushers. Demand for deferred is very good at full spot prices, but crushers refuse to make fresh commitments of importance at the moment.

Shipping instructions are very good and crushers are unable to get supplies out as fast as wanted.

Quotations on carload lots f.o.b. Minneapolis, 100 pound sacks, $36.50 to $37.00 per ton.

Shipments of meal in pounds were as follows:—

	1937.	1936.
This week.....	3,802,305	3,048,933
Since Sept. 1.....	61,661,221	26,685,465

CHICAGO, Nov. 26.—Linseed meal is active. Ruling prices are:—Round lots, $35 to $36 per ton, mostly nominal; car lots, $36; less than car lots, $38 to $38.50.

Cottonseed Oil

Refined cottonseed oil futures were irregular, changes in prices being within narrow limits. Crude oil was slightly easier. Seed firmer.

Cottonseed Oil.—Frequent fluctuations occurred in refined oil futures in the local market last week but the changes were generally within comparatively narrow limits, the range between the high and the low points of the week being unusually small. Sentiment among many still appeared to be rather bearish owing to the large increase in production of cotton and seed for the season, but there was little disposition among the rank and file of the trade to take the aggressive on the selling side, owing to uncertainty as to the government's proposed purchases, and in the opinion of some no decisive movement of prices in either direction is likely to be witnessed until something definite is known concerning the extent of the government program.

On upturns in prices last week local traders sold, some of the selling supposedly being against purchases of cotton. Foreign interests were also credited with operations of this character. Lard futures continued to weaken, speculative sentiment in provision circles in the West still apparently being bearish owing to the recent increase in hog marketing and prospects of a further expansion in the movement in the not distant future. Refiners were reported to have made purchases of the spring months on weak spots. Seed was firmer in the South, prices in some sections being about $2 per ton higher than in the previous week. Unfavorable reports were heard concerning the grade of much of the seed now being received at the mills. Crude oil was ⅛c. lower but offerings were light and it was contended that current prices for crude were at or below the cost of production.

Oils and fats which compete with cottonseed oil were still in downward trend. Crude coconut oil was reduced to 4c. per pound here, and the coast market was also lower. Demand for lard compound was said to be somewhat better and there were reports of a fair export inquiry for lard. Receipts of hogs in the principal Western markets for four days of the week aggregated 256,600 head, against 384,200 head for the same time last year. The weight of the hogs received in Chicago during the week ended November 20 averaged 234 pounds, the same as in the previous week. Shipments of lard from Chicago continued to run far ahead of receipts. Stocks of lard in that market decreased 9,547,582 pounds during the first half of November as compared with an increase of 950,987 pounds in the same time last year. The quantity of cotton ginned prior to November 14, according to the Census Bureau, was 14,949,078 bales, against 10,767,140 bales in the previous season and 8,436,538 bales two years ago.

There was further switching from December to later positions and some were looking for an expansion in such operations in the near future. December was switched to May at 9 to 10 points difference and to July at 14 points.

Trading in bleachable prime summer yellow cottonseed oil futures on the New York Produce Exchange from November 20 to November 26, inclusive, comprised 743 contracts, a total of 44,580,000 pounds. Following is a price record for the week:—

	Cents per pound in tanks— High.	Low.	Close.
January	6.95	6.85	7.06 sale
March	7.06	6.88	7.06 sale
May	7.11	6.93	7.11 sale
July	7.14	6.96	7.16@7.17
December	6.95	6.85	7.00@7.05

Crude, Southeast, 5.75c. nom.

Chicago, Nov. 26.—A continued easing tone has been reported in the cottonseed oil market. The trade seems to be fumbling for the bottom of the market before making extensive purchases. However, conditions apparently are being watched closely, to permit quick action in the event of a turn. Good, off-Summer, yellow fig oil is quoted at 7⅜c. per pound. Refined, edible oil is 9c. to 9½c. per pound, barrels, car lots; and 9½c. to 9¾c., barrels, less than car lots.

Hull, Nov. 26.—Quotations on cottonseed oil were:—

	Refined. Per cwt. s.	d.	Egyptian crude. Per cwt. s.	d.
Saturday	22	0	19	0
Monday	22	0	19	0
Tuesday	21	0	18	0
Wednesday	21	0	18	0
Thursday	..	..	..	..
Friday	21	0	18	0

Cake and Meal.—A steady tone prevailed in Southern markets and changes in spot quotations were unimportant. The export inquiry was reported as less active but the domestic demand for meal apparently held up well.

Markets at Other Centers

Memphis, Nov. 26.—The market for crude cottonseed oil was quiet throughout the week. Last transactions reported were at 5¾c. per pound and this figure is now bid. Mills are reluctant to sell, claiming that crude oil is now below the cost of production. Seed prices have advanced from $19 to $22 per ton at most points. Good demand for cottonseed meal from domestic buyers and market steady. Today 41 percent quoted at $23 per ton, Memphis basis. Bulk slab cake $20 per ton at Valley points. Weather unsettled and the work of picking and ginning is making slow headway. Many seed being received from recent ginnings show inferior grade, mills reporting that many cars are testing below 60 against the standard of 100.

Closing cottonseed meal quotations on the Memphis exchange were as follows:—

	November 18.	November 24.
December	$21.35@21.65	$21.70@——
January	20.50@——	20.50@——
March	20.00@——	19.70@19.90
May	19.60@——	19.50@19.85

Atlanta, Nov. 23.—The market for cottonseed products shows little change in the southeast. Seed still bringing around $20 per ton, shipping points, though they have been held rather firmly by some factors for better prices. Cotton oil millers are watching with much concern the proposed acreage restrictions at Washington. Any serious reduction, it is claimed, will react toward higher lard and butter prices next year.

Quotations of this market are as follows:

OIL.—Prime crude 5⅞c. to 6c. per pound.

MEAL.—7 percent protein, $22.50 to $23.50 per ton, interior mills.

HULLS.—Loose, $7.50 per ton.

Animal Oils

Lard.—The market was easier, quotations being reduced ¼c. to ½c. per pound. Business lacked snap but there was a fair demand from local and other consumers.

Neatsfoot. — Quotations were unchanged to ½c. per pound lower. There was a fairly active inquiry though consumers were not inclined to anticipate.

Oleo.—The market was steady at the recent decline. There were reports of a somewhat better inquiry. Spot stocks were reported as comparatively light.

Tallow.—A steady tone prevailed, quotations being held at former levels. Business was quiet.

Markets at Other Centers

Chicago, Nov. 26.—In keeping with the somewhat depressed tone prevailing in some of the primary markets, animal oils have been under the influence of a draggy market sentiment.

LARD.—No. 1, 10c. to 10¼c. per pound.

OLEO.—No. 2, 11¾c. to 12c. per pound.

TALLOW.—Acidless, 9c. to 9¼c. per pound, tanks; 10c. to 10½c. drums.

Fish Oils

Cod.—The local market was quiet, consumers being inclined to hold off for further developments in the situation abroad as well as in domestic centers for other commodities. Offerings from abroad were reported as light.

Menhaden.—Quotations on refined oil were stationary and the tone of the market appeared to be steady. A fair inquiry was noted but as a rule business was on a very conservative scale, consumers being disposed to limit their takings to comparatively small quantities pending further developments in the crude situation as well as in the markets for other oils. Crude was quiet and nominal.

Sardine.—A steady tone prevailed in the market for refined oil, quotations being held by local interests at the levels ruling in the previous week. Purchasing was apparently limited to small or moderate quantities. Crude was firmer on the Pacific Coast, sales being reported at 37c. to 38c. per gallon.

Markets at Other Centers

San Francisco, Nov. 23.—Some further activity was noted in sardine oil in the southern portion of California last week when the market absorbed some new business at 38c. per gallon in tankcars, f.o.b. production point, but conditions remained rather slow in this area, one spot sale of oil being noted here through second hands at 37c. per gallon, tankcar basis.

Producers in northern California generally are not offering, although there are several bids said to be in the market at 35c. for oil to be delivered on and if and when produced basis. If conditions pick up after this moon there may be more oil on the market, but in the meantime, it does not appear as though much over 2,000 tankcars of oil will be made in California this season, against about 3,000 last season. Many in the trade figure that there have been at least 2,000 or more tanks contracted already this season.

Baltimore, Nov. 23.—Though operations by the menhaden fishing fleet down the lower Chesapeake Bay and off the Virginia capes have been suspended for a week or more, work by boats off the coast of the Carolinas goes on, and has yielded fair results up to the time when cold weather interfered with operations. It is reported to be the intention of the fleet there to continue until climatic con-

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Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

ditions force a positive stop. Meanwhile some additions to the stocks of oil are being made, and according to advices received from Beaufort several tanks have been sold there at 34 cents per gallon. This is within one cent of the amount realized in the last transactions down on the Chesapeake, and tends to encourage the fishing companies to persevere. It looks as if the schools of menhaden, moving southward, have reached the Carolinas and are offering a favorable opportunity to make additions to the earnings of the fishermen. As for the Baltimore market, complete inactivity prevails with the fishing companies in the position of being more or less short on their commitments, which there is no chance of meeting now. The quotations on refined oil stand at 53c. to 55c. per gallon for light pressed, 55c. to 57c. per gallon for yellow bleached and 57c. to 59c. per gallon for white bleached stocks.

Fats and Greases

Grease.—A weaker tone developed, this being a reflection of the course of other commodities. Quotations were shaded ⅛c. to ¼c. per pound, but offerings were light and the figures appeared to be more or less nominal.

Lard.—Cash lard quotations had a downward trend at times, the easier tone here being due mainly to further weakness in futures in Chicago where speculative sentiment was influenced mainly by an increase in hog arrivals and indications of a further expansion in marketing in the near future. Domestic and foreign trade was fair.

Stearin.—The market was easier in the absence of any improvement in demand, quotations being shaded ½c. per pound.

Tallow.—The market had an easy tone. A fair inquiry was noted, but as a rule large consumers were inclined to hold off owing to the downward trend of other commodities, and offerings, although not heavy, were somewhat larger than recently. Sales were reported at 6½c. per pound for extra, f.o.b., showing a decline of ⅛c. as compared with the last previous transactions.

Trading in tallow futures on the New York Produce Exchange from November 20 to November 26, inclusive, comprised 8 contracts, a total of 480,000 pounds. Following is a price record for the week:—

	Cents per pound in tanks— High.	Low.	Close.
January	6.60	6.60	6.11@6.45
March	6.45	6.15	6.21@6.34
December	6.45	6.45	6.18@7.00

Markets at Other Centers

Chicago, Nov. 26.—Additional price declines have carried cash lard values down to new lows for the current movement, along with related markets, such as the more speculative futures sections. The shipping trade has been limited, and buyers in general have exhibited considerable caution.

The range of lard quotations from the opening Saturday, November 20, to the close Friday, November 26, is shown in the following table:—

	Per 100 pounds— Open.	High.	Low.	Close.	Previous Friday.
Cash	$8.85	$8.85	$8.67	$8.80	$9.05
Jan.	8.65	8.97	8.57	8.97	8.95
May	8.55	9.20	8.52	9.17	8.77

TALLOWS (tierces).—Edible, 6⅝c. to 6¾c. per pound; prime, 6⅜c. to 6½c.; fancy, 6¼c. to 6½c.; special, 5½c. to 5¾c.; No. 1, 5½c. to 5¾c.

GREASES (tierces).—Choice white, 7c. to 7¼c. per pound; A white, 5¾c. to 6c.; B white, 5⅛c. to 5¼c.; yellow, 10-16, 4¾c. to 4⅞c.; yellow, 16-20, 4½c. to 4¾c.; brown, 4⅜c. to 4½c.

STEARINS (barrels).—Prime oleo, 8⅝c. to 8¾c. per pound; lard, packages, 10c. to 10¼c.; A white grease, 6¼c. to 6½c.; yellow grease, 5¼c. to 5½c.; extra oleo stocks, 12¼c. to 12½c.; No. 2 stocks, 11½c. to 12c.

Liverpool, Nov. 26.—Quotations per cwt. on refined American lard were as follows:—

	Spot. s. d.	Nov. s. d.	Dec. s. d.	Jan. s. d.
Saturday	56 6	47 9	46 6	46 3
Monday	55 6	.. ..	46 0	45 9
Tuesday	54 6	46 0	45 6	45 6
Wednesday	54 0	45 9	44 9	44 6
Thursday	54 0	45 9	45 0	45 0
Friday	55 6	45 9	44 9	44 9

Liverpool, Nov. 26.—Quotations per cwt. on tallow were as follows:—

	Choice. s. d.	Fine, good mixed. s. d.
Saturday	22 3	21 3
Monday	22 3	21 3
Tuesday	22 3	21 3
Wednesday	22 3	21 3
Thursday	.. ..	.. ..
Friday	22 3	21 3

Fatty Acids

Red Oil.—There were no new developments in the way of price changes, the market being steady at the recent decline. There was fair inquiry for moderate lots from local and other consumers.

Stearic Acid.—Raw material was easier, but the market for stearic acid was steady, previous selling schedules being adhered to by producers. Business continued along conservative lines.

Markets at Other Centers

Chicago, Nov. 26.—The fatty acids market has been quiet and a little easy in tone, thus tending to reflect the somewhat unsettled conditions that have been prevailing in the markets that relate to them. Inquiries have been a little slow in coming in.

FATTY ACIDS.—Corn oil, double distilled, 7¼c. to 7½c. per pound, tankcar; 7¾c. to 8c., car lots; 8¼c. to 8½c., barrels, car lots; coconut oil, acidulated, 7¾c. to 8c., tankcar, mostly nominal; 8¼c. to 8½c., car lots; 8¾c. to 9c., barrels, less than car lots; cottonseed oil, double distilled, 7c. to 7¼c. per pound, tankcar; 7½c. to 7¾c., car lots; 8c. to 8¼c., barrels, less than car lots; settled cottonseed soap stock, 60-62 percent basis, 2⅞c. to 3c.; boiled down soap stock, 65 percent basis, 3⅞c. to 4c.; cottonseed foots, 50 percent basis, 1¼c. to 1½c.

STEARIC ACID.—Distilled, single press, 10½c. to 11½c. per pound; double press, 11c. to 12c.; triple press, 13¾c. to 14¾c.; saponified, ¼c. higher.

RED OILS.—Distilled or saponified, drums, 9½c. to 10½c. per pound; barrels, 9⅝c. to 10⅝c.

Waxes

Bees.—A steady and firm market prevailed on the spot. Immediate demand was not so very active during the past week but the absence of a more conslusive request from manufacturing consumers failed to reflect adversely on spot quotations. Values were well held and most dealers declared that given a reasonable revival of trade with the turn of the year, prices would continue to be firm.

Candelilla.—Trade was sluggish and the market was somewhat unsettled. However, prices at the source have been well maintained and at the moment there seems to be little likelihood that values will soon move in favor of buyers. Spot quotations were maintained.

Carnauba.—Business was very dull. Buyers were mainly aloof and some sellers expected that trade would continue to be light over the balance of this year. Certainly, so far as spot delivery transactions were concerned, that seemed to be a reasonable prospect. Some estimated concerning production in Brazil have suggested 10,000 metric tons as the probable limit. That figure would be about the same as the production in the two preceding years. Exports in the first eight months totaled 6,029 metric tons, the largest amount for any similar period in a number of years. The United States took 70 percent of the total exported in the first eight months of the year.

Japan.—Firm undertones prevailed even though spot demand lagged. The maintenance of spot quotations was in line with the situation in the primary market.

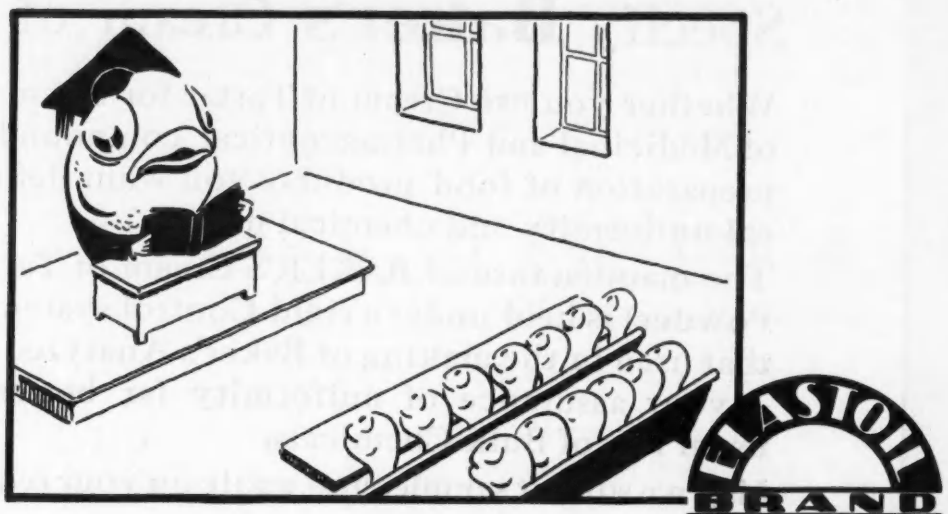
Olive Oil Adulterators Arrested in This City

Several thousand gallons of allegedly adulterated olive oil were seized and six men were arrested in a raid November 18 in this city by representatives of the United States Food and Drug Administration and the local police and health departments. The raid was the outcome of months of investigation of nationwide marketing of spurious "Pure Italian" olive oil.

Local charges of obtaining money under false pretenses have been filed against the six men—Elpidio D'Antonio, John De Simone, Filippo Del Prete, Gartano Russo, John Russo, and Frank Saviano.

Current prices on animal, vegetable, and fish oils (under Oil), fats, and greases (under Grease) are given in the alphabetical list of prices beginning on page 7

Elastoil Fish Scale Sketches



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Bismuth Subnitrate USP Light Powder
Iodine USP Resublimed
Lead Acetate USP and Technical, Crystal and Powder
Lead Acetate C.P. Basic Dry Powder
Magnesium Carbonate USP Light Powder
Magnesium Oxide USP Extra Light Powder
Methyl Salicylate
Potassium Bitartrate USP Powder (Cream of Tartar)
Potassium Bromide USP Crystal, Granular or Powder
Potassium Hydroxide USP Sticks and Pellets
Potassium Iodide USP Crystal, Granular or Powder
Silver Nitrate USP Crystal
Sodium Bromide USP Granular or Powder
Sodium Hydroxide USP Sticks and Pellets (Caustic Soda)
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Sodium Salicylate USP

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Drugs, Fine Chemicals

Quicksilver and Mercurials Down—Denaturing Methanol Reduced —Cerium Oxalate Higher—Agar Slower and Lower—Borax And Alcohol Prices Extended—Codliver Oil Up

In addition to the recession in general sales of drugs and fine chemicals that has paralleled the recession in general business activity in this country, an added facet in the market last week was the approach of the year-end and inventory activity. This new angle to the market was reflected in additional curtailment of buying for immediate consumption. However, there was still a very fair amount of demand for seasonal items and such merchandise occupied a steady price position in the local market.

Higher quotations were reported on U.S.P. cerium oxalate. Codliver oil was also advanced and the position at home and abroad has strengthened substantially in keeping with the decrease in available stocks.

Lower quotations developed on No. 1 agar because of lack of more than moderate consuming demand. Quicksilver was also under adverse pressure because of the narrowness of the consuming requirements. Quotations were reduced on spot and foreign competition was more active. Denaturing grade methanol was reduced but other forms of methanol lacked quotable change. Methyl acetone was maintained at the recent decline. Hard mercurials were reduced following a further drop in prices on quicksilver.

Prices to cover contract business on boric acid and borax during the first six months of the coming year were announced and they proved to be extentions of the current schedule. A pending advance in freight rates was noted and such rise will be for the account of buyers. Current prices on alcohol have been extended to cover new business during the first quarter of 1938.

Acetanilide.—The movement was possibly somewhat less than it had been but consumption of the article was still active and the general market position of the item was one of great firmness. New consuming channels have stimulated output considerably for some time past.

Acid, Benzoic.—Trade was routine. Business appeared to be feeling the approach of the year-end and transactions were within moderate limits throughout the past week. Prices seemed to be very steady.

Acid, Boric.—Current prices have been extended to cover contract booking over the first six months of the coming year. Any advance in freight rates will be for consumers' account.

Acid Citric.—Demand was very quiet. Transactions were well within jobbing description but the movement was all that could be expected reasonably at this time. Pricewise, the market appeared to be very steady.

Acid, Salicylic.—Trade was somewhat slow. New orders were neither numerous nor for substantial quantities and it seemed likely that the main users of the article were stocked with sufficient reserves for the balance of the year. Quotations continued to be well stabilized.

Acid, Tartaric.—The strength of prices rested mainly on the continued maintenance of fairly high raw material costs. Movement into consumption was along moderate lines that were in keeping with that current most years at this season.

Agar.—Quotations on No. 1 were lower at $1.10 to $1.15 per pound, resulting from the growth of competition that had been encouraged by the conservative operations of most buyers for consumption. Stocks seemed to be adequate in most directions as substantial arrivals were noted last week.

Alcohol.—Production of ethyl alcohol in October totaled 18,786,200 gallons, comparing with 22,086,800 gallons a year ago. Output of completely denatured material was 7,846,200 gallons, against 7,893,300 gallons last October. Figures for specially denatured material were 6,523,100 gallons this year, and 7,179,100 gallons in October, 1936. Stocks of ethyl compared 16,875,700 gallons at the end of last October, and 18,842,500 gallons last year; completely denatured, 709,500 gallons this year, and 1,239,000 gallons last; specially denatured, 765,000 gallons at the end of October, 1937, and 442,200 gallons at the end of October, 1936. Demand during the past week was not especially active. A lull to request has developed and for the most part trade was quiet during the period just ended. Current prices have been extended to cover business booked in the first quarter of 1938.

Aloin.—The situation in raw material was such as to assure buyers that current quotations would be well maintained and might advance in the event of broader demand developing at the turn of the year. The higher prices obtained for the last crop may encourage larger production in 1938.

Bismuth Metal and Salts.—Nothing new was reported. Values were firm but lacking in new development. Demand was steady and about level with reasonable expectations. Undertones continued to be firm and the market as a whole was not unduly competitive in any respect.

Borax.—Producers extended current quotations to apply on contracts for deliveries over the first half of 1938. An advance in freight rates is pending and the change will be for the account of buyers. A fair amount of contract renewals has already been done.

Camphor.—Of interest was the fact that news despatches from China indicate that during July, 1937, the Ministry of Industry issued circular instructions to various local governments for reviving the camphor industry in China. Three steps are prescribed: (1) Forestry department of local governments to provide for camphor experiment stations and to distribute camphor tree seedlings to farmers. (2) Forestry officials to give technical and expert advice and guidance to camphor farmers. Density of trees to be from 1 to 2 meters. Camphor is obtainable after six years. Grafting to be performed every three years thereafter, but original trees must be preserved at the rate of 10 trees per row (1/6 of an acre). (3) Forestry officials must help farmers to preserve old camphor trees thus preventing unscrupulous persons from cutting down trees, thereby preserving seeds.

Castor Oil.—Business was somewhat less active. Contraction in industrial requirements has been reported and with the inventory period close at hand, the local sentiment favored the view that trade would probably continue moderate in volume over the balance of this year.

CHICAGO, Nov. 24.—A good volume of orders is reaching sellers of castor oil. The market is steady and inquiries are active. Ruling prices are:—No. 1, drums, car lots 10⅞c. per pound; drums, less than car lots, 12c.; barrels, car lots, 11½c.; barrels, less than car lots, 12¼c.; five-gallon tins, 13¼c.; one-gallon tins, 15¼c.; No. 3, drums, car lots, 10⅜c.; drums, less than car lots, 11½c.; barrels, car lots, 10⅝c.; barrels, less than car lots, 11¾c.

Cerium Oxalate.—Prices on U.S.P. material have been advanced to 35c. per pound in barrels, and 37c. in kegs,

Price Changes

Prices were changed during the past week as follows:—

Advanced

Cerium oxalate, U.S.P., 7c. per lb.
Codliver oil, 50c. per bbl.

Reduced

Agar, No. 1, 5c. per lb.
Calomel, 9c. per lb.
Corrosive sublimate, 7c. per lb.
Mercury oxide, yellow, 10c. per lb.
Methanol, denaturing grade, 6c. per gal.
Quicksilver, $2 per flask.
Red precipitate, 10c. per lb.
White precipitate, 10c. per lb.

Comparative Values

Index numbers compiled from thirty-five typical drugs and fine chemicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
182.7	183.0	183.0	180.1

Market news that may have developed after this report was sent to press will be found on page 4.

Current prices on drugs and fine chemicals are given in the alphabetical list of prices beginning on page 7

METHYL ETHYL KETONE

The consumption of Methyl Ethyl Ketone in the lacquer, ink, resin and plastic industries, indicates that its properties have been found to have considerable value. Its advantage as a solvent in the formulation of lacquers is well known and its high solvency and low weight (6.72 lbs. per gallon) are characteristics which give it considerable advantage over other low boiling solvents.

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quoted at the works. Hydrate remained unchanged at 60c.

Cocaine.—Peru has taken further steps to control the movement of coca leaves. A resolution dated October 20, 1937, issued by the Director General of Public Health regulates the control of consignments of coca in leaf from the areas of production in the Republic to Lima. The purpose of the control is to differentiate between consignments destined for the manufacture of cocaine domestically or for export and those consignments for internal consumption, which are subject to taxation. All future consignments must be accompanied by a special license to be issued by the Department of Public Health, stating the quantity, place of origin, quality of the leaf, destination, name of the consignee and the means of transport to be employed. Railroad companies are instructed not to handle shipments of coca leaf without the express authorization of the Department of Public Health.

Codliver Oil.—Spot prices were advanced to $27.50 to $28.50 per barrel, confirming the recent reports of strengthening of the market in this country in keeping with the stronger situation abroad and the very good consumption on domestic account. According to the United States Consulate at Bergen, Norway, stocks of medicinal codliver oils in Norway declined in September to the lowest point in twenty years, and one large exporter is reported to have secured an option on about half the total quantity available. Poultry oil stocks are also smaller than expected and exporters are trying to build up stocks to cover fall contracts. It was claimed that the shortage of both kinds of oil would be more acute than in 1936 and prices have risen accordingly. Industrial oil stocks also were down, but there seemed to be enough available to cover this year's demand. Prices have shown a slight increase. The decline in exports in July and August was followed by heavy shipments in September. The increase was partly due to the fact that many contracts call for delivery in September and October in time for the winter demand and partly to belated shipments of one large exporter whose refining plant was destroyed by fire at the beginning of July. Shipments to the United States were heavy in September. Buyers in the midwest wished to cover their demand before the freezing of the St. Lawrence waterway made direct shipments impossible. September exports to the United States totaled 251,795 gallons of medicinal oils (145,231 gallons in September, 1936), 132,245 gallons of poultry oils (242,190 gallons, 1936), and 152,769 gallons of industrial oils (138,768 gallons, 1936).

Corn Syrup.—Prices continued to hold unchanged and the situation seemed to be slightly more steady than it was recently when quotations broke sharply in successive weeks. Immediate demand was not especially active but outlook for trade early in the new year was thought to be fairly good.

Creosote.—Seasonal movement was said to be very good, contributing considerably to firmness of values and eliminating unusual competition from

Current prices on drugs and fine chemicals are given in the alphabetical list of prices beginning on page 7

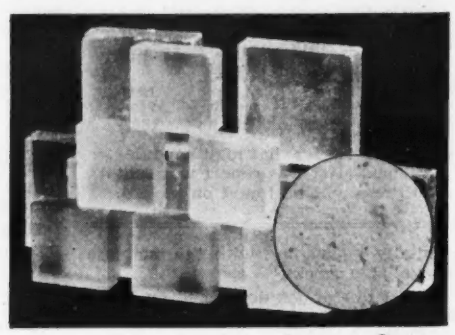
PROCTER & GAMBLE
Largest Producers and Refiners of
CHEMICALLY PURE
Packed in drums and cans
Also other grades—Stocks in principal cities
Gwynne Building, Cincinnati, Ohio
205 East 42nd Street, New York City
U.S.P. GLYCERINE
C/P

MILK SUGAR
NATIONAL BRAND
National Brand Sugar of Milk has been the standard of Quality the world over since 1883.
Powdered Granular Impalpable
NATIONAL MILK SUGAR CO., Inc.
350 Madison Avenue, New York, N. Y.

Lactic Acid
In ALL Strengths from 22% to 85%
TECHNICAL
EDIBLE
U. S. P.
C. P.
APEX CHEMICAL CO., Inc.
Manufacturers Since 1900
225 West 34th Street, New York City
Factory—Elizabethport, N. J.

NIACET PRODUCTS
Acetic Acid
Glacial - U.S.P. - Reagent
Acetaldol
Acetamide
Paraldehyde
Acetaldehyde
Iron Acetates
Copper Acetate
Methyl Acetate
Crotonaldehyde
Ammonium Acetate
Manganese Acetate
Sucrose Octa Acetate
Other Acetate Salts
ALDEHYDES
for chemical synthesis
Acetaldehyde
Paraldehyde
Acetaldol
Crotonaldehyde
(Also Acetaldehyde Ammonia and Bisulfite)
Aluminum Acetate Solutions
20% Normal, 32% Basic
Sodium Acetate
Tech. 60%, Special 90% Grades
NIACET CHEMICALS CORPORATION
NIAGARA FALLS, N.Y.

Every Tablet of
SHERKA
CAMPHOR, U. S. P.
(Synthetic)
is identical in quality, purity and capacity for camphor action . . .
for MEDICINAL, MOTH PREVENTIVE and OTHER PURPOSES
Meets all U. S. P. requirements—lower in price than the natural camphor. Tablets (½ and 1 oz.), Slabs (2½ lbs.) and Powder—all available from one source.
Write for comparative samples and prices to
SHERKA CHEMICAL CO., Inc. Bloomfield, N. J. — Importers
or
GEORGE UHE COMPANY
80 Eighth Avenue, New York, N. Y.
Distributors



Surface of Sherka Synthetic Camphor U.S.P. Tablet magnified 150 times to show uniform structure and fineness.

MERCK'S BRAND
A/s JOHAN C. MARTENS & CO.
BERGEN, NORWAY
Established 1838
THE CREAM OF MEDICINAL COD LIVER OIL
Representatives
H. H. ROSENTHAL CO., Inc.
Cable Address "Rodrug" All Codes
25 East 26th Street, New York City

PROCESSING AND BOTTLING TANKS
Of All Standard Metals and CORROSION RESISTANT ALLOYS
SCIENTIFIC FILTER CO., 2 Franklin Square, New York City

BORAX
Reg. U. S. Pat. Off.
PURITY GUARANTEED OVER 99.5%
AND BORIC ACID
Reg. U. S. Pat. Off.
TRONA
Reg. U.S. Pat. Off.
"TRONA" MURIATE OF POTASH
A 95-98% Grade for Agricultural Use.
A Special High Grade for Use in the Manufacture of Industrial Chemicals.
TRONA
Reg. U.S. Pat. Off.
AMERICAN POTASH & CHEMICAL CORPORATION
70 PINE STREET - NEW YORK
Stocks carried in principal cities of the United States and Canada

local circles. Stocks seemed to be adequate in all respects.

Glycerin.—Trade was somewhat irregular. New business was not active but there still remained a fair movement of merchandise due under contracts. Pricewise, the market appeared to be generally steady and the outlook seemed to favor maintenance of current values over the balance of the current year. Stocks in the hands of leading factors were apparently sufficient to meet all reasonable requirements. The undertone of the market was steady.

CHICAGO, Nov. 24.—Demand for c.p. glycerin is good. Other grades are reported about steady. Ruling prices are:—C.p., car lots, drums, 19½c. per pound; less than car lots, 20c.; cans, less than car lots, 22½c. to 23c., according to quantity; dynamite, 19½c.

Iodine.—No further change in prices on tincture has developed. In the main the entire iodine market appeared to be in fairly stable position, although competition in the instance of potash iodine was still considerable. Prices on crude seemed to be generally stabilized.

Menthol.—Stocks have been renewed to a substantial extent and for the most part the market has assumed an easier position on the spot with quotations being mainly favorable for those with orders in hand. Stocks in the hands of the principal users were substantial and adequate in all respects. Values were somewhat unsteady and the tendency to shade them was not lacking locally.

Mercurials.—Prices on hard mercurials were reduced on November 24, reflecting the fairly substantial decline in the value of quicksilver over the past several weeks. The latter was reduced again last week. New prices on mercurials were as follows:—Calomel, $1.50 per pound; corrosive sublimate, powdered or granular, $1.15; crystals, $1.30; mercury oxide, yellow, $1.91; red precipitate, $1.74; white precipitate, $1.76.

Methanol.—Quotations on denaturing grade were reduced to the basis of 38c. per gallon, drums, car lots, freight allowed east of the Rocky Mountains. The new tankcar price was 32c. Prices on the Pacific Coast are 4c. per gallon higher than the above figures. Antifreeze methanol movement has been fairly good up to now but something of a lull has developed without disturbing the price position. Other forms of the item were steady.

Quicksilver.—Quotations were lower at $83 to $84 per flask, but buyers beyond jobbing quantities were lacking and competition gained steadily in the absence of business. Foreign values have been mainly favorable for those with firm orders in hand.

SAN FRANCISCO, November 23.—Quicksilver is in purely routine request and the market does not show any change. Sellers here say inquiry is light, with competition of foreign metal keeping the price in the neighborhood of $83 per flask, New York basis.

Quinine.—Fair to moderate demand prevailed but the movement to buyers throughout the Fall period was excellent and the outlook for Winter consumption was said to be satisfactory. Prices were generally in well stabilized position and signs of an early change in that aspect of the market were lacking.

Santonin.—The spot market seemed to be slightly firmer. Although demand has not gained, no tendency to break prices further was noted. On the contrary, a disposition to raise them was not lacking and an expansion in consuming interest would probable provide sufficient strength to support somewhat higher levels.

Silver Nitrate.—The schedule of prices since the last report prevailed as follows, covering quantities of 100 ounces, small lots from 1c. to 2c. more per ounce, and quantities of 500 ounces are quoted at about 1c. less. Comparison of prices of bullion in New York and London are also provided.

	Per ounce		
		Bullion	
	Nitrate, Cents.	New York, Cents.	London, Pence.
Saturday	32⅝	44⅜	19⅝
Monday	32⅝	44⅜	19⅝
Tuesday	32⅝	44⅜	19⅛
Wednesday	32⅝	44⅜	..
*Thursday	..	..	19⅛
Friday	32⅝	44⅜	19⅛

* Holiday.

Current prices on drugs and fine chemicals are given in the alphabetical list of prices beginning on page 7

London Drug and Oil Data

Stocks of drugs and oils in London public warehouses, October 31, 1937, and 1936, and the movement of these goods into and out of such premises during October, this year, were as follows:—

	Landed.	Delivery.	Stocks 1937.	Stocks 1936.
Shellac, orange, cs.	8,362	14,979	134,702	123,318
garnet, cs.	196	264	918	568
button, cs.	454	480	1,044	1,066
Totals	9,012	15,714	136,664	124,952
Quinine sulphate, lbs.	...	...	...	...
Cinchona bark, South American, cs.	...	...	...	...
bales, etc.	...	...	...	...
East India, Ceylon, and Java, cs.	...	...	...	...
bales, etc.	99	68	443	549
Totals	99	68	443	549
Aloe, cwts.	5	74	85	512
Anise, Star, cwts.	201	33	293	63
Arrowroot, bbls.	509	695	2,125	1,975
boxes and tins	...	...	...	...
Balsam, cwts.	43	60	121	108
Cascara sagrada, tons.	20	9	96	72
Tanners' bark, tons.	4	4	...	...
Beeswax, pkgs.	1,609	1,953	3,770	2,284
Japan wax, cs., etc.	244	109	368	325
Camphor, pkgs.	42	68	286	402
Cardamom, cwts.	38	75	252	90
Cochineal, bgs.	189	224	61	72
Coculus indicus, bgs.	...	...	...	...
Colombo root, bgs.	446	106	1,024	2
Cubebs, bgs.	...	6	5	4
Dragon's blood, cs.	...	...	158	162
Nutgalls, China and Japan, cs.	...	...	886	580
Turkey and Persian, bgs.	41	11	273	162
Gum, ammoniac, pkgs.	25	1	62	27
animi, pkgs.	31	71	558	468
copal, pkgs.	2,610	4,056	12,452	17,759
arabic, all descriptions, pkgs.	788	2,031	18,137	11,845
asafetida, cwts.	...	20	472	443
benzoin, cwts.	12	32	726	860
dammar, pkgs.	2,204	1,786	6,402	5,351
gamboge, cwts.	5	12	41	24
guaiac, cwts.	...	...	30	106
elemi, pkgs.	...	...	...	...
kauri, tons, net.	47	66	252	119
mastic, pkgs.	67	74	54	55
myrrh, East India, pkgs.	10	4	24	77
olibanum, pkgs.	42	20	232	267
sandarac, pkgs.	56	46	231	144
tragacanth, pkgs.	842	393	3,770	3,419
Ipecac, Mattogrosso, cwts.	122	101	172	174
Other sorts, cwts.	...	8	52	56
Jalap, cwts.	43	...	107	9
Myrobalans, tons.	...	...	2	2
Nux vomica, cwts.	...	48	176	...
Oils, castor, cwts.	156	218	108	68
palm, tons	...	...	...	...
coconut, tons.	149	137	22	30
olive, csks, etc.	275	269	868	906
*anise, cwts.	2	2	17	12
*cassia, cwts.	...	14	...	3
Graphite, tons.	31	17	26	68
Rhubarb, Chinese Rhapontica, cwts.	...	87	204	244
Saltpeter, tons.	10	10	8	10
Soda nitrate, tons.	813	184	2,734	2,852
Sarsaparilla, cwts.	79	62	274	352
Senna, bls.	139	363	2,495	3,292
Sticklac, cs.	407	394	1,896	1,759
Gambier, tons.	1	...	7	5
Cutch, tons.	...	...	7	9
Turmeric, Bengal, tons	...	4	18	62
Madras, Cochin, etc., tons	49	26	116	163
Total tons.	49	30	134	225

* Stocks at certain wharves not included.

Standard Brands Elects Smith

Thomas L. Smith, formerly first vice-president of Standard Brands, has been elected president to succeed Joseph Wilshire, who was elected to the new office of chairman of the board. Mr. Wilshire had been president since 1925. Paul W. Fleischmann was appointed first vice-president and William Klusmeyer, vice-president, was made assistant to the president.

Lavoptik Company, St. Paul, Minn., vendor of Lavoptik, an alleged remedy for eye ailments, has been ordered by the Federal Trade Commission to cease representing that the preparation is endorsed or recommended by any number of eye specialists for any purpose, when such is not a fact.

Early this winter a wracking cough sent this kindly grandmother to her bed . . . the doctor prescribed a remedy incorporating chloroform. Soon, through the resting action of this anaesthetic, her throat grew well . . . once again she is happy, active and enjoying life.

In compounding the prescription it is quite possible that Dow Chloroform, U.S.P. was used. For, it so happens that Dow is a major producer of this valuable pharmaceutical.

This single instance of the participation of Dow in the lives of people could be multiplied a million fold. It is a constant reminder that, over and above the commercial integrity of honest manufacturing, there is a responsibility to the American people that can never be forgotten.

THE DOW CHEMICAL COMPANY, MIDLAND, MICHIGAN

Branch Sales Offices: 30 Rockefeller Plaza, New York City; Second and Madison Streets, St. Louis; Field Building, Chicago

A PARTIAL LIST OF DOW PHARMACEUTICAL CHEMICALS

Acetphenetidin, U.S.P. • Antipyrine, U.S.P. • Benzoic Acid, U.S.P. • Minor Bromides • Carbon Tetrachloride, C.P. • Chloroform, U.S.P. • Epsom Salt, U.S.P., Recrystallized • Ferric Chloride, U.S.P., X (Solution or Crystals) • Glycine • Magnesium Sulphate, Desiccated • Phenol, U.S.P. • Acetyl Salicylic Acid, U.S.P. (Powder or Crystals) • Acetyl Salicylic Acid, Granulation, 10% starch (White, Pink, Green) also 16% and 20% starch (White) • Methyl Salicylate, U.S.P. • Salicylic Acid, U.S.P. • Sodium Salicylate, U.S.P. • Minor Salicylates • Sodium Benzoate, U.S.P. • Strontium Bromide, N.F. • Tetrachlorethylene, Purified, N.F. • Trichloracetic Acid, U.S.P.

DOW

PENICK *has the Answer to* MOST BOTANICAL PROBLEMS

A section of the equipment used by our laboratories in solving production and extraction problems of botanical drugs.

ORDER FROM ONE RELIABLE SOURCE— Gums, Insecticide Bases, Crude Botanicals, Fish Liver Extracts, Alkaloids, Cosmetic Raw Materials. Penick quality imposes no extra cost.

PENICK laboratories employ the largest and best trained staff of chemists and botanical experts in the crude drug industry. These men know botanicals and the solutions to most of the problems pertaining to botanical drugs and preparations. They have been consulted by scores of laboratory and production men who needed assistance. In most cases, Penick was able to supply the required information.

This consulation factor is but one of the many ways Penick serves the trade. They have available market information, warning about impending price rises or reductions. Deliveries are always as prompt as tremendous stocks and a capable organization can get them to you. And remember this vital fact—if, due to any circumstances, you cannot secure a certain botanical drug — ask Penick. They will get it for you !

Shall we place you on the Price List and Manual Mailing List?
Write for literature on any specific item

S. B. PENICK & COMPANY

132 NASSAU STREET, NEW YORK **1228 W. KINZIE STREET, CHICAGO**

THE WORLD'S LARGEST BOTANICAL DRUG HOUSE

Drug Law Strengthening Is Urged by Wallace

(Continued from page 3)

glycol was available prior to the marketing of the "elixir" is shown by the attached exhibit D.

That a few simple tests on experimental animals would have demonstrated the lethal properties of the elixir is evident from the work reported by the American Medical Association in exhibit E. These results were confirmed independently by the division of pharmacology of the Food and Drug Administration in work yet unpublished.

While the "elixir" incident has been spectacular and has received much publicity, aside from the brevity of the period in which the killings occurred, it is but a repetition of what has frequently happened in the past in the marketing of such dangerous drugs as dinitrophenol, cinchophen, and other toxic substances.

It is worthy of note that, shocking as these instances have been, the actual toll of deaths and permanent injury from potent drugs is probably far less than that resulting from harmless nostrums offered for serious disease conditions. In these cases the harmful effect is an indirect one. Sick people rely on false curative claims made for worthless concoctions, and thus permit their disease to progress unchecked. It may be too late when they lose confidence in the nostrum and seek rational treatment.

Legislative Recommendations

The report goes on to present the secretary's views in reply to the request of Congress for "recommendations for any needed legislation on the subject." It says:—

To protect the public from drugs which, like the "elixir," are dangerous because of their inherent toxicity, it is the department's recommendation that legislation be enacted to provide at least the following:—

1. License control of new drugs to insure that they will not be generally distributed until experimental and clinical tests have shown them to be safe for use. The definition of what constitutes a new drug should include (a) substances which have not been used sufficiently as drugs to become generally recognized as safe; (b) combinations of well-known drug substances where such combinations have not become generally recognized as safe, and (c) well-known drug substances and drug combinations bearing label directions for higher dosage or more frequent dosage or for longer duration of use than has become generally recognized as safe.

Exemption should be made for new drugs distributed to competent investigators for experimental work. A board of experts should be provided who will advise the Secretary of Agriculture on the safety of new drugs.

It is the department's view that no other form of control will effectively safeguard the public from the dangers of premature distribution of new drugs. To increase the penalties for violations and to require label disclosure of ingredients would be helpful, but by no means fully adequate.

In the interest of safety, society has required that physicians be licensed to practice the healing art. Pharmacists are licensed to compound and dispense drugs. Electricians, plumbers, and steam engineers pursue their respective trades under license. But there is no such control to prevent incompetent drug manufacturers from marketing any kind of lethal potion. It should be remembered that Dr. Massengill and his chemist, Watkins, are far better equipped from the standpoint of technical training than many other persons now engaged in the manufacture of drugs.

2. Prohibition of drugs which are dangerous to health when administered in accordance with the manufacturer's directions for use. This would provide a more appropriate basis of action than that on which proceedings were instituted against the "elixir." A number of dangerous drugs are now on the market against which not even a trivial charge of violation can be made.

3. Requirement that drug labels bear appropriate directions for use and warnings against probable misuse. Much injury results from insufficient directions and from lack of warning against overdosage, or administration to children, or use in disease conditions where the drug is dangerous, or possibility of drug addiction.

Formula Disclosure

4. Prohibition of secret remedies by requiring that labels disclose fully the composition of drugs. Many foreign countries new impose this requirement. Many drugs manufactured in the United States are exported to such countries under labels bearing such disclosure. The same drugs are sold to our citizens under labels that give no hint of their composition.

The physician, and the consumer who acts as physician to himself, both have a right to know what they administer.

Many poisoning cases result from choice of the wrong bottle from the home medicine cabinet, or from bottles left within the reach of small children. In such cases attending physicians are able to proceed intelligently and administer the proper antidotes or other treatment only if labels carry full disclosure of composition. Delays in obtaining this information by communicating with the manufacturer may often mean the difference between life and death.

Physicians are also handicapped in arriving at a correct diagnosis and beginning appropriate treatment when patients come to them after unsuccessful attempts at self-medication with secret remedies. The effect of such remedies may give rise to symptoms leading to erroneous diagnosis. But even if the diagnosis is correct, the kind of treatment to be used may depend upon what the patient has been taking. Again, in such circumstances, label declaration of composition may mean the difference between life and death.

The foregoing recommendations are limited to provisions which the department believes should be enacted to safeguard the public from the dangers of drugs of one type. That type includes the inherently toxic drugs, such as the "elixir," dinitrophenol, and cinchophen. Many additional points should be considered if adequate protection is to be extended against even more widespread dangers to health and other abuses of public welfare arising from the inadequate control authorized by the present law over various other types of drugs.

Biochemist Wanted

For the purpose of providing qualified associate biochemists for syphilis research in the United States Public Health Service, the United States Civil Service Commission has scheduled an open competitive examination, for which it will receive applications until December 31 from persons in Arizona, California, Colorado, Idaho, Montana, Nevada, New Mexico, Oregon, Utah, Washington, and Wyoming, and until December 28 from persons in other States.

A vacancy exists in the Syphilis Research Center, Johns Hopkins Hospital, Baltimore. The salary is $3,200 a year.

The duties of the position are to conduct investigative or research work in antibody chemistry, pollen chemistry, the chemistry of the arsphenamines, or related problems. Candidates will not be required to report for examination, but will be rated on the basis of their education, experience, and other qualifications. An approved bachelor's degree in chemistry or chemical engineering is required, together with three years' subsequent experience in relevant investigative work.

Applications must be made on form 8. These forms and full particulars may be obtained from the secretary of a board of civil service examiners at any first-class postoffice or from the Washington or any district office of the United States Civil Service Commission.

Vick Chemical Co. Enjoins Price-Cutter

The Vick Chemical Company, manufacturer of packaged medicines, has been granted a temporary injunction by Vice-Chancellor Stein, in Newark, N. J., against Rubin Brothers Drug Stores, operating in Newark, Kearney, Elizabeth, and West Orange, restraining the retail concern from selling any Vick's products at retail prices lower than the minimums established by the manufacturer under the New Jersey fair trade act. The Rubin concern has been ordered to show cause by December 7 why the injunction should not be made permanent.

The violation complained of was discovered by Vick representatives November 19, and immediate action was instituted by the company so as promptly to protect the interest of competing retailers. The action was brought by Joseph H. Stamler, of the office of Merritt C. Lane, New Jersey associates of Vick's counsel.

Commenting on the case, a sales official of the Vick company said that since the date it established minimum resale prices under the New Jersey fair trade act, representatives of the company had continuously checked sales of Vick's products in order to see that no violations of establishing minimum prices were committed. It was further said that the Vick company intended to continue this aggressive policy so as to insure all concerned the full benefits of the New Jersey fair trade law.

John J. McCloskey, Milwaukee, trading as the Kimball Laboratories and under similar names, has been ordered by the Federal Trade Commission to cease misrepresentation of Kimball tablets as an effective remedy for gastric and intestinal ailments.

Botanical Drugs, Gums

Approach of Inventory Period Trims Demand from Manufacturing Consumers—Most Medicinal Items Show Firmness in Prices —Condimental Materials Have Downward Trend

Medicinal crude drugs were quiet items in the botanical market last week. The feature of the market was not the volume of business done but the generous amount of price stability that prevailed. The list of medicinal drugs as a whole was free from unsettling influences and while trade was expected to be quiet over the balance of this year, it was also expected that quotations would hold steady.

Condimental entities, on the other hand, were distinctly easier in many instances. Subsidence of normal trading interest has brought to the spot a deal more of competition than had been the rule in recent periods and the result last week was a substantial number of price reductions. Such changes, however, were but rarely in excess of fractional degree and for the most part failed to unsettle the fairly optimistic view that merchants held as to the future of events.

In the medicinal botanical group it may well be that with the turn of the year may come a more aggressive sales policy in some quarters. The past two or three months were productive of conditions not normal to the market what with the destruction of stocks by fire, the sharp rise in the purchase of replacement supplies, and the temporary shift of some buyers to new sources of supply. The turn of the year will find conditions turning toward normality. Opposing any substantial reductions in quotations is the fact that the first cost of crude drugs in practically all countries has risen substantially during the past four or five months. These costs still are maintained and that tends to keep the floor of spot values generally firm and well supported.

Entries of botanicals at the port of New York since the week of January 1, 1937, the detentions of these items by the Department of Agriculture because of the presence of matter rendering them unfit for human consumption were:—

	Bags— Detained.	Entered.
Anise	3,405	17,096
Caraway	3,036	18,436
Cardamom (cases)	61	1,767
Celery	591	7,330
Coriander	10,399	15,353
Cumin	2,178	7,455
Digitalis leaves (cases)	157	227
Dill	184	647
Fennel	521	2,633
Henbane leaves bales)	141	373
Mustard	580	25,630
Poppy	1,800	48,206
Sage leaves (bales)	20	2,689
Sesame	278	12,610
Stramonium (bales)	290	529
Thyme (bales)	670	1,451
Totals	24,350	161,867

Price Changes

Prices were changed during the past week as follows:—

Advanced

Cassia, Batavia, No. 3, ½c. per lb.
Paprika, Hungarian, extra fancy, ½c. per lb.
Sloe berries, 1c. per lb.

Reduced

Anise, Spanish, ¼c. per lb.
Clove, Zanzibar, ½c. per lb.
Canary seed, Morocco, ½c. per lb.
Turkish, ½c. per lb.
Argentine, ½c. per lb.
Caraway seed, ¼c. per lb.
Cardamom, decorticated, 5c. per lb.
green, 4c. per lb.
Celery seed, French, ½c. per lb.
India, ½c. per lb.
Coriander, Morocco, ¼c. per lb.
Fleaseed, Indian, ½c. per lb.
Ginger root, African, ½c. per lb.
Jamaica, medium bold, ¼c. per lb.
bright grinding, ½c. per lb.
Millet seed, ¼c. per lb.
Mustard seed, English yellow, ¼c. per lb.
Roumanian yellow, ¼c. per lb.
Pepper, black, Lampong, ½c. per lb.
Tellicherry, ¼c. per lb.
white, Java Muntok, ¼c. per lb.
Singapore Muntok, 1c. per lb.
Poppy seed, Polish, ½c. per lb.
Rhubarb root, 5c. per lb.
Rapeseed, Belgian, ¼c. per lb.
Savory, ½c. per lb.
Thyme, 1c. per lb.

Comparative Values

Index numbers compiled from forty typical botanicals on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
138.7	138.7	139.3	110.1

Market news that may have developed after this report was sent to press will be found on page 4.

Balsams

Copaiba.—The decline that took place at the close of the previous trading period was not extended. The market was slightly steadier last week and values were maintained regardless of the not active demand for the item. Replacement cost was close to spot quotations.

Fir.—Canadian balsam continued the feature in this group. Dealers here declared that it was almost impossible to get shipments from the source; orders for a thousand gallons recently resulted in the actual purchase of but four hundred. Prices were strong. Oregon balsam was still somewhat easy but prices failed to decline further.

Barks

Angostura.—The competition that was productive of lower prices in the previous week was no longer so clearly apparent. Values were said to have worked fairly low when those on spot were compared with current replacement cost. Not much call was noted last week.

Cottonroot.—Although a fair amount of business reached the spot last week, it failed to result in the development of much competition. Holders were firm in their views and expected prices to be maintained unless collection shall be far larger than now seems probable.

Elm.—Stocks were on the short side and the position of select bark was one of special strength in practically all quarters. Demand has not been so very active of late but more inquiry was noted last week and that added to the general strength of the market as a whole.

Sassafras.—Immediate demand was not especially active last week but prospects for the call after the turn of the year were very good and manufacturing consumers will find stocks of select bark to be conservative in size and held in generally firm hands. Country reserves were said to be less than that normal for the item.

Tonga.—A well stabilized spot market has prevailed for a number of months and a check on the market last week showed no change in that favorable aspect of affairs. Demand was light and occasional.

Beans

Tonka.—Routine demand was the rule. The largest of manufacturing consumers seemed well supplied with stocks and the smaller users had needs that spot holdings in the hands of dealers supplied on the basis of prices that were steady to firm.

Vanilla.—Reports concerning Mexican beans stated that the new crop is twenty-five to thirty percent less than normal. New crop will be marketed in June-July, 1938 and the holdover now in hand must take care of trade needs in the intervening period. The holdover is not large; so far as cuts, it is very small. New crop cuts will be marketed in February and March, with April also having some business. Concerning Bourbon beans, the crop of four hundred tons should be absorbed readily. Some low prices have been noted but investigation reveals that such merchandise consists usually of loose, recured beans the quality of which is not satisfactory. Stocks of whole beans of satisfactory quality were said to be comparatively small in France and in this country. Statistically, the vanilla bean market is one firmer than that during the high priced vanilla years of 1923 and 1924. In the meantime, demand is not too good and the future of the market during the next six months or so would seem to hinge on consumption, mainly. Given an expansive demand reaching normal proportions, the statistical position should make itself felt strongly on values.

Berries

Fish.—Hand-to-mouth trade kept volume short but failed to bring reaction so far as prices were concerned. Values were well held on spot, reflecting the maintained cost of replacements.

Current prices on botanical drugs and spices are given in the alphabetical list of prices beginning on page 7

PROFESSIONALLY HOPKINS BRAND MILLED
ANALYZED - STANDARDIZED
CRUDE DRUGS
Asafoetida Gum
Aloes, all varieties
Aniseed
Buchu Leaves
Chamomile Flowers
Deer Tongue Leaves
Doggrass
Ergot
Fennel Seed, all varieties
Ipecac Root
Irish Moss
Juniper Berries

Kola Nuts
Lavender Flowers
Myrrh Gum
Papain
Quince Seed
Saffron, all var.
Sarsaparilla, all varieties
Saw Palmetto Berries
Senna Leaves, all varieties
Tragacanth Gum, all var.
CRUDE DRUGS
J. L. HOPKINS & CO.
220 BROADWAY, NEW YORK

CHICLE, Mexican
F. HUBER & CO., 99 Hudson Street, NEW YORK

SULPHONATED OILS
For Soapless Shampoos
VISCO GUMS—For Wave Set Solutions
GUMS
Arabic, Tragacanth, Karaya
Powdered in our own mills under laboratory control
JACQUES WOLF & CO.
MANUFACTURING CHEMISTS AND IMPORTERS
PASSAIC, N.J.

GUMS
IMPORTERS
GUM ARABIC
GUM KARAYA
GUM TRAGACANTH
LOCUST BEAN GUM
(CAROB FLOUR)
PAUL A. DUNKEL & CO., INC.
82 WALL ST., NEW YORK, N.Y. Hanover 2-3750-1

Finest Ground PYRETHRUM AND DERRIS POWDERS in the world
These powders contain more killing particles. More effective — more economical. Write for further information.
McCORMICK & CO., Inc.
BALTIMORE, MARYLAND
STANDARDIZED PYRETHRUM AND DERRIS PRODUCTS

Sloe.—Sales have been made at 10c. to 11c. per pound in a market not noteable for exceptional call from the principal consumers. Stocks were not excessive in size.

Flowers

Arnica.—Jobbing business was fair but it was almost certain that manufacturing consumers were keeping purchases down to quantities covering needs of the moment. Most quarters looked for business to be quiet over the balance of this year. Replacement costs held firm.

Clover.—Values were firm on the whole. Even the absence of more than moderate request has failed to ease the spot position which for several weeks has reflected the maintenance of prices abroad. Stocks seemed to be fair in size on the spot.

Lavender.—Fairly good trade was reported. Stocks were ample to meet current needs and on the basis of replacement costs local quotations should prove attractive to those with firm orders to fill. Values in France were on the firm side.

Rose.—Red flowers lacked further decline. On the contrary, they appeared to be firm on the basis of $2.25 to $2.30 per pound notwithstanding the not exceptional character of consuming request. Pale flowers were steady, also regardless of moderate call from buyers.

Saffron.—No further change in Spanish flower prices was reported but the market was on the firm side and sellers showed some disposition to be moderately reserved. Mexican flowers were

about steady but the demand was not very active.

Gums

Arabic.—The market has tightened up somewhat since the recent, but fractional, decline in spot quotations. Although demand has not improved much, values have become somewhat less fluid and subject to pressure that limited movement into consumption causes at times. The replacement quotations have been steadier on the whole. Shipments of gum from the Egyptian Sudan during August, 1937, totalled 1,063 tons, compared with 1,429 tons in August, 1936. Shipments during January-August, 1937, totalled 16,143 tons, compared with 15,820 tons during the corresponding period of 1936. The chief destinations were as follows:—

	1936		1937	
	Aug.	8 mos.	Aug.	8 mos.
Great Britain	390	3,652	275	4,93
United States	370	2,801	190	3,127
France	98	2,723	120	1,572
Germany	140	1,913	176	1,919
Italy	47	93	80	557
Belgium	70	1,071	52	620
Japan	80	767	...	892
Holland	47	594	46	694
Spain	3	159	...	...
Sweden	41	292	10	501
Australia	24	425	41	369
China	16	168	...	149
Canada	15	199	7	162
British India	...	36	...	71
Denmark	3	106	15	133
Finland	8	74	7	139
Poland	2	58	...	67
Rumania	17	86	5	39
Greece	...	73	...	57
Egypt	10	67	10	51
Brazil	2	99	11	78

The export figures are made up of the following qualities:—

	Hashab.	Bleached.	Talha.	Total.
August, 1936, tons	1,267	23	139	1,429
August, 1937, tons	933	26	104	1,063
Jan.-Aug., 1936, tons	14,463	128	1,219	15,820
Jan.-Aug., 1937, tons	14,048	124	1,971	16,143

Guaiac.—Business was fair but not expansive. Most buyers purchased for prompt needs and there was a fair amount of such jobbing request covered on the basis of steady prices last week.

Myrrh.—Moderate movement accompanied a fairly competitive price position on this item. Open quotations lacked quotable change but the undertone was said to be unsettled in some quarters and in such directions the tendency was to shade when business should prove attractive.

Sandarac.—Quiet trade was noted but the market as a whole had a steady quality so far as spot quotations were concerned. The stocks at the end of the year are not exceptional in size and hence sellers maintained quotations while awaiting the development of a wider interest.

Olibanum.—Movement continued to be fair. It was about level with that normal to the market at this season of the year and the call found prices firm to stable in all quarters. Stocks were not overly large but seemed adequate to cover any expansion in request.

Herbs and Leaves

Belladonna.—Reports in local circles indicated that leading suppliers expected business to be quiet over the balance of this year. Consumption has reached a comparatively satisfactory total this year and most of the business was done on the basis of very steady prices. Values were still well held last week.

Buchu.—Although the market was fairly competitive, it was still free from change in open quotations and most sellers indicated that stability was likely to continue over the balance of the year. Imports in September totaled 3,955 pounds.

Ephedra.—Of interest was the arrival of 80 bales from Kobe during the previous trading period. This was the first arrival for a long time past. Reports received by the Department of Commerce stated that the item grows in Suiyuan Province, China, and is usually cleared over the Peiping-Suiyuan railroad on which freight service has been suspended. Tientsin firms stated that they have received no communications from their agents along the railway and presume they fled when hostilities started in that area. War operations have continued into the harvesting season and Tientsin firms state it is unlikely that any ephedra has been gathered this season. And yet, from Kobe comes 80 bales. The last normal arrival was 202,000 pounds, landed in September.

Laurel.—The market was a shade lower at 5c. to 5½c. per pound and the reaction in favor of buyers reflected the absence of more than very moderate request.

Savory.—More competition was reported locally and prices were considerably easier on the whole. Quotations were made openly at 7½c. to 8c. per pound and less might be taken on a bid, it was said.

Thyme.—Stocks were still under normal and given a normal call for the item, the market would probably show considerable strength. The interest was moderate last week and quotations were shaded to 19c. to 20c. per pound.

Miscellaneous

Ergot.—A market of steady sort prevailed last week. Most sellers had a firm view on local values and indicated that no unsettlement prevailed abroad. The replacement markets were dull. Imports in September totaled 44,655 pounds.

Grains of Paradise.—Spot prices were nominal in keeping with almost total exhaustion of supplies. Arrivals between now and the end of the month were quoted at 32c. to 33c. per pound, if and when.

Lycopodium.—Stocks were on the short side and holders of the small unsold holdings on the spot continued to show strength in their market views. Present sales are being made out of supplies secured in September, when 4,000 pounds were imported.

Manna.—Natural manna prices held unchanged but sellers of the item felt the competition of domestic mannitol and hence improvement in values was difficult to obtain. Demand was very quiet.

Papain.—The recent advance in prices was anchored fast and firm and a fair amount of supporting request was noted for the powdered material on spot last week. Importations of crude material in the month of September totaled 16,187 pounds.

Roots

Galangal.—The advance was maintained even though immediate demand was not prominent. However, the strength of the market was based on replacement conditions and the difficulty in increasing spot reserves.

Ipecac.—Trade was sluggish. However, recovery of more active trading was expected to come with the turn of the year and Spring consumption was expected to be excellent. Prices were steady. Imports in September totaled 5,577 pounds.

Jalap.—The September importations reached 5,827 pounds and apparently current consumption of the item was being met promptly by that and later arrivals. Prices were generally steady in the absence of exceptional competition in local circles.

Orris.—The higher prices set up in the recent past have not been upset by moderate increases in arrivals. September imports were reported at 6,793 pounds. During the previous week, 216 bales reached the port of New York. This merchandise showed a fairly high cost in the primary market.

Rhubarb.—The market was shaded to $1 to $1.05 per pound for whole, and $1.05 to $1.10 for powder. However, the future of values will depend on what is forthcoming from China and there have been delays in making shipments. September arrivals totaled 4,350 pounds.

Squill.—Attempts of the American consulate at Naples to learn definite data on the Italian exports of red root have been unsuccessful. The root grows for the most part along the Tyrrhenian littoral and is said to grow wild for the most part. Demand for white root has been stimulated by seasonal conditions and continued consumption of good quantities has been forecast in support of steady prices.

Seeds

Anise.—Spanish seed was a fraction lower at 11¾c. to 12½c. per pound under the influence of the light demand that caused more competition. Star seed remained very steady.

Canary.—Lower replacemnt cables shaded spot quotations to the basis of 4.85c. to 5.10c. per pound, that figure prevailing on the three varieties of seed sold on this market.

Cardamom.—Green seed was down sharply to 88c. to 90c. per pound, and decorticated was shaded to $1.30 to $1.40. These changes reflected shift in replacement cost. Bleached seed remained very steady.

Celery.—Offerings from France were in fair volume and prices locally yielded to more competitive conditions. French seed was quoted at 16¼c. to 16¾c. per

(Continued on page 50)

Current prices on botanical drugs and spices are given in the alphabetical list of prices beginning on page 7

What You Can Use

Various Materials That Are Suitable for Operating Purposes in Chemical Processing Industries

Fully protected by Copyright

Two-hundred-third Instalment

Leather

Tanning Agents for Leather

(Contined from November 22 issue)

Larch bark
Larch bark extract
Leaves as gambier, sumac
Liquid chestnut
Lumina
M 1893 D Co. tanstuffs
Malefern
Mallet bark
Mangrove bark
Marca
Marotan
Marsh rosemary
Melotan
Mertanol
Methylcetylpiperidinium ethylsulphate
Mimosa bark
Mimosa extract
Mixture of iron salts and silicates with the addition of phosphoric acid
Mochrus
Mohtan
Molle
Mora
Murici
Myrab
Myrobalans
Myrtle
Mytan
Naphthalene sulphonation products produced by condensation with—
(1) Sodium sulphate
(2) Sodium sulphide
(3) Sulphur
Naphthalenesulphonic acid and dibenzylnaphthalene in the presence of formaldehyde
Neb-neb
Nichrotan
Nutgalls
Oak bark
Oak extract
Oakwood
Octadecylpyridinium iodide
Olemylmethylaminoethanesulphonic acid
Olive bark
Palachy
Palmitylhydroxyethanesulphonic acid
Pancrome
Parabenzoquinone
Paradol
Philippine cutch
Phyllanthus emblica
Pine bark
Pinus halpensis
Pinus longifolia
Pinus khasya
Pistacia lentiscus
Pocahontas extracts
Pomegranate bark
Potassium salt of diphenyloldimethylmethanemonosulphonic acid after pretreatment with a "partially basic" chromic salt, such as chromic sulphate
Protan
Purex
Purgamin
Purimbas
Pyrogallic acid
Quatex
Quebracho
Quebracho extract
Quebro
Quemex
Quinone
Reaction product of—
(1) Dihydroxydiphenylsulphone with aldehydes
(2) Dihydroxydiphenylsulphone with formaldehyde
(3) Dihydroxydiphenylsulphone with sulphur dichloride
Reaction product of—
(4) Dodecyl ester of chloroformic acid and hydroxyethanesulphonic acid
(5) Dodecyl ester of chloroformic acid and ethylaminoethanesulphonic acid and oleylaminoethanesulphonic acid
(6) Formaldehyde in pyrosulphuric acid, followed by hexamethylenetetramine
(7) Oleyl chloride and hydroxyethanesulphonic acid
Red birch
Rhatany
Rhododendron leaves
Sagron
Sassafras
Seaside grape
She oak
Shorea robusta
Silver wattle
Siberian larch bark
Sirnabelli
Sodium bicarbonate and tannic acid
Sodium bichromate with sulphuric acid, sugar, sodium chloride, soda ash, and flour
Sodium glycerophosphate with chromium chloride
Sodium-aluminum acetate
Sodium-aluminum tartrate
Sogah
Solutions obtained by treatment of albuminoid substances, such as chrome leather shavings, with acids, such as hydrochloric acid, and oxidizing agents, such as potassium chlorate, in the presence of iron salts, such as ferric chloride; then subjecting to second tanning with other mineral tanning agents, such as chromium compounds
Spruce bark
Squill
Stearamidophenyltrimethyl-ammonium methylsulphate
Steerhead tanning liquors
Sterylpyridinium bromide
Stone pine
Soubaujuna
Sulphite cellulose waste lye treated with formaldehyde and sodium peroxide
Sulphite waste liquor with lignosulphonic acid
Sulphodinaphthylmethane
Sulphonated anthracene
Sulphonated produce, of the sulphonated diarylmethane type, of gastar
Sulphurized naphthol derivatives
Sulphurized phenol derivatives
Sumac
Sumac extract of a sulphonic derivative of abietene family
Tamaric
Tanak D. S.
Tanasol
Tangede
Tannic acid with condensation products of formaldehyde plus naphthalenesulphonic acid
Tannic acid with formaldehyde
Tannic acid with sodium bicarbonate
Tanolin
Tanoline
Tanoval
Tarsekeha
Tasman
Tea leaves
Terce
Teri pods
Terminalia arjuna
Tormentil
Towai
Tragasol
Tuga veca
Tungsten
Turwar
Urea and formaldehyde condensed in aqueous caustic soda and neutralized; solution is added to a solution of 4:-dioxydiphenyldimethylmethane-3:3'-disulphonic acid
Valonia
Vegetable tanstuffs, used to partial tanning and followed with—
(1) Cetyltrimethylammonium chloride
(2) Dodecyltrimethylammonium chloride
(3) Methylcetylpiperidinium methylsulphate
(4) Octadecylpyridinium iodide
(5) Stearamidophenyltrimethylammonium sulphate
(6) Sterylpyridinium bromide
Wagenboom
Watex
Wattle bark
White mangrove
White's chrometan
Willow bark
Willow and pine solutions
Willow tannides

Tanning Agents for Making White Leathers

Albatan
Aluminum sulphate, ironfree
Barretan
Brilliant avirol L-142
Divi-divi
Duponol WA
Quercitron extract
Tanolin

Tanning Assists Used in Making Leather

Acetic acid
Acid accelerators and buffers
Ade-tan
Alkali carbonates
Alkali hydroxides
Alkali-earth carbonates
Alkali-earth hydroxides
Alkali-metal salts of—
(1) Betacresoxylalphaoleylhydroxypropanesulphonic acid
(2) Oleylaminoethanesulphonic acid
(3) Oleylmethylaminoethanesulphonic acid
(4) Palmitylhydroxyethanesulphonic acid
Alums
Aluminum chloride with gluconic acid
Aluminum complexes containing organic radicals, such as formates, lactates, citrates, and potassium acetotartrate
Aluminum compounds
Aluminum gluconate
Aluminum oxide
Aluminum pyrophosphate
Aluminum salts
Aluminum salts of—
(1) Phosphated carbohydrates
(2) Phosphated starch
(3) Sulphonated carbohydrates
(4) Sulphonated dextrin
(5) Sulphonated starch
Aluminum sulphate

(To be continued)

Essential Oils, Aromatic Chemicals

Sweet Almond Eases—Lemon Production in Italy Starts a Month Early—Domestic Orange Highly Competitive—Dill Dull At Decline—Bergamot Shaded Here

Market conditions continued to be quiet so far as essential oils and aromatic chemicals were concerned. Reports indicated that contraction of sales volume has been fairly general but it was pleasant to learn that in some quarters business was running ahead of that a year ago notwithstanding the recent lowering of sales volume.

Essential oils appeared to be in somewhat more competitive position. That was especially true so far as California orange oil was concerned. Some very low prices were quoted on oil from the Golden Gate state and while criticism of quality attached to some of the offerings made, other merchandise was said to be not only low in price but satisfactory as to quality. As yet, the principal producer on the Coast has not met the minimum values prevailing there. West Indian oil was cheaper on spot.

Production of Italian lemon has started, production having begun about a month earlier than usual. Prices were quiet on spot pending development of the new crop situation. Bergamot on spot was shaded. New regulations in Italy were still awaited.

Sweet almond continued to move in buyers' favor. Cananga was more competitive at fairly attractive prices but demand was light. Grapefruit was lower in anticipation of new crop offerings. Anise was off slightly. Cassia held unchanged. Both were in light supply, recent arrivals having had fairly eager takers. Inactivity brought more competition in dill, ginger, juniper tar, and linaloe.

Price Changes

Prices were changed during the past week as follows:—

Advanced

None

Reduced

Almond, sweet, 2c. per lb.
Anise, 5c. per lb.
Bergamot, 10c. per lb.
Cananga, native, 15c. per lb.
rectified, 10c. per lb.
Coriander, $1 per lb.
Dill, seed oil, 15c. per lb.
weed oil, 25c. per lb.
Grapefruit, 25c. per lb.
Ginger, 25c. per lb.
Juniper tar, 3c. per lb.
Linaloe, 5c. per lb.
Orange, West Indian, 5c. per lb.
Pimento, berry oil, 10c. per lb.

Comparative Values

Index numbers compiled from twenty typical essential oils on the basis of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
77.8	78.1	78.6	79.4

Market news that may have developed after this report was sent to press will be found on page 4.

Essential Oils

Almond.—The spot market eased off still further when values came out on the basis of 63c. to 65c. per pound. The replacement market had been notably easier at lower prices during the past several weeks, thus encouraging more competition locally.

Anise.—The spot market was down slightly to $1.30 per pound but the basis was still mainly nominal because of an absence of normal shipments from China and the inability of dealers to get regular offerings from the source.

Bergamot.—Spot sales were made at $3.90 to $4.10 per pound, the inside quotations being down slightly. Conditions in the primary market have yet to develop that clarity which a pending change in price policy and control would seem to forecast. High prices have caused a considerable shrinkage in world consumption.

Bois de Rose. — The market was steady to firm. Absence of much competition was a feature even though immediate demand was kept within somewhat narrow bounds most of the time. Stocks were fair and replacement costs were well maintained.

Camphor.—Recent reports from China have said that an attempt to revive the Chinese camphor industry will be made by the government. In view of the war with Japan, such plans would seem to be tentative but it was said here last week that such a revival might result in camphor oil being offered eventually.

Cananga.—Spot quotations were off slightly, native standing at $1.50 to $1.65 per pound, and rectified being noted at $2.15 to $2.75 per pound. Not all sellers were meeting the minimum figures. However, the movement has been light and more competition was in evidence.

Cassia.—The market held firm notwithstanding that a moderate sized quantity recently arrived from the primary market. Short supplies had been the rule for a long time past and goods arriving on this market will find eager owners at full prices.

Cinnamon.—Leaf oil was priced at 90c. per pound and had a fair call. Ceylon oil held at $8 to $22 per pound according to seller and quality, while the Seychelle was priced at $6.50 to $7.50.

Citronella.—A somewhat quiet market was the rule most of the time last week and values remained inert throughout the period. Replacement cables showed little change on the market as a whole and that was reflected fully in the steady position of the material on spot.

Coriander.—The market was down slightly to $23 to $24 per pound. Some lower quotations have been heard but the quality of such material was oftentimes doubtful. Stocks were still very small and derived mainly from domestic distillation. Virtually nothing was forthcoming from abroad.

Dill.—More competition has come with the general slowing down of the market. Seed oil ranged $3 to $3.75 per pound, as to seller, and weed oil was $3.85 to $4.10, same terms. Recovery of demand was expected some time during the first quarter of the year.

Erigeron.—Small production has made for small stocks and hence the market price of this article was strongly held notwithstanding the absence of much demand for the merchandise.

Eucalyptus.—Sustained movement was noted, deliveries against contracts showing the principle buyers to have substantial current manufacturing requirements. Prices were generally very firm. Stocks in hand appeared to be well engaged ahead.

Ginger.—Although there has been no change in production cost, inactivity among sellers has led to shading of the market and quotations last week developed on the basis of $7.75 to $8 per pound. Given a better request, recovery in values would be not unlikely.

Grapefruit.—In anticipation of new production coming on the market, one quarter on spot named the lower price of $2 per pound last week. The range was to $2.25 according to seller and quantity. Export business in the item was expected to grow as the crop comes from the producers.

Juniper Tar.—This item was down slightly to 40c. to 45c. per pound for drums, and 45c. to 50c. for cans. Stocks were apparently sufficient to provide for prompt delivery of moderate sized quantities out of local supplies. Replacements were available in restricted quantities only.

Lemon.—The market was quiet. With new crops pending in producing countries, dealers and consumers alike were disposed to hold aloof for possible price developments. According to reports received from the American commercial attache at Rome, production of oil from winter lemons has started at least one month in advance of the normal date. Spot quotations lacked further change.

Linaloe.—A slightly more favorable price at $1.30 to $1.40 per pound was noted for this produce of Mexico with-

Current prices on essential oils and aromatic chemicals are given in the alphabetical list of prices beginning on page 7

MAGNUS, MABEE & REYNARD, INC.
QUALITY ESSENTIAL OILS, BALSAMS, AROMATIC CHEMICALS, CONCENTRATED FLAVORS . . . Since 1895
32 CLIFF ST. N.Y.C.
OFFICES IN PRINCIPAL CITIES

PEPPERMINT
. . . IN ALL VARIETIES
As suppliers of a substantial portion of the peppermint oil sold in this country, we are in a position to supply new crop oils of finest quality for every possible need. In considering your requirements, bear in mind that our seasoned experience in the selection and rectification of peppermint oils assures higher-than-standard quality throughout our entire line. It will pay you to use these finer oils.
FRITZSCHE Brothers, inc.
816 WEST 8TH STREET LOS ANGELES, CAL
Proprietors of PARFUMERIES de SEILLANS Seillans, France
FRITZSCHE BROTHERS, of Canada, Ltd., 77-79 Jarvis St., Toronto, Canada
PORT AUTHORITY COMMERCE BLDG. 76 NINTH AVENUE, NEW YORK, N. Y.
118 WEST OHIO ST. CHICAGO, ILL.

D. W. HUTCHINSON & CO., Inc.
IMPORT Established 1896 EXPORT
Oil of Lime Imitation - - - Oil of Coriander Imitation
For Flavor and Strength
162-164 FRONT STREET NEW YORK CITY

ESSENTIAL OILS
H. C. RYLAND, Inc.
161-3 Water St., New York

AROMATICS
FLAVORS
ESSENTIAL OILS
SCHIMMEL & CO. INC.
601 West 26 St. New York, N. Y.

TEA TREE (TI TREE) OIL (Melaleuca Alternifolia)
A non-toxic, non-irritating essential oil, having a Phenol Coefficient of 11-13 • Mild, agreeable odor that can be masked if desired • Literature and tests indicate that it is of value in skin infections such as impetigo, carbuncles, fungus type diseases as tinea, infected nail, athlete's foot, etc. • Suggested for skin ointments, mouth and nasal preparations, cosmetics, creams, lipsticks, shaving creams, acne creams, etc.
No samples. 1/4 lb. trial orders $1.50 parcel post prepaid.
1 lb. $4; 5 lbs. $3.85; 10 lbs. $3.75; 25 lbs. $3.70; 50 lbs. $3.65 per pound
F. O. B., NEW YORK—Data of chemical and physical properties and suggestions as to employment furnished buyers.
R. F. REVSON CO. 91 Seventh Ave., New York City
Cable Address: COSCHEMS, New York
Ask for our price list, 300 cosmetic items

OIL OF CLOVES
OIL OF NUTMEGS
Two of the most important items in our Factory. We can guarantee to furnish you with the highest quality obtainable.
•
GEORGE LUEDERS & CO.
427-429 WASHINGTON ST., NEW YORK
Branches: Chicago, San Francisco, Montreal *Factory:* Brooklyn

out stimulation of consuming demand having resulted. Conditions indicated a slow market over the balance of the year.

Orange.—The domestic oil market continued to be much unsettled. Offerings from some California producers with substantial quantities of oil in hand reached the spot at prices far lower than those named by other makers on tthe Pacific Coast. The competition was evidently very keen. While some of the low priced oil was declared to be of not satisfactory quality, other lots were declared on spot to be oil of excellent quality. Foreign oil prices lacked change, excepting West Indian material which was offered locally at the lower level of $1.95 to $2 per pound.

Peppermint.—The market seemed virtually at a standstill. Prices were low, attractive, but also fairly steady in local quarters, while in the primary market a similar situation seemed to prevail. A quiet market over the balance of the year was expected by all.

Pimento.—Berry oil was slightly lower at $3.65 per pound for some qualities, while others held very firm at $7.50. Leaf oil lacked change. Demand was mainly of jobbing size. Replacement costs were steady.

Rosemary.—Available stocks were narrow and not well distributed locally. Replacement in quantity was difficult as foreign suppliers did not have much to offer. Despite limited demand locally, values were fully firm in all quarters.

Tansy.—Reserves throughout the consuming season were bound to be conservative in size for the reason that production was disappointing this Fall and there appeared to be a ready market for whatever is obtainable. Spot quotations continued to be very firm.

Spearmint.—The feature was the stability of prices prevailing notwithstanding the very quiet operations of a not large number of buyers. Values were considered to be low and attractive and were expected to be free from decline in the immediate future.

Aromatic Chemicals

Bornyl Acetate.—The supply was not unduly large and a very good demand kept the item in additionally steady position so far as prices were concerned. Competition was not very prominent.

Bromstyrol.—Business was light. Trade was mainly on a hand-to-mouth basis dictated by the fact that the immediate needs of manufacturing consumers have contracted somewhat. Pricewise, the market appeared to be in very steady position.

Carvol.—Somewhat irregular request was noted from day to day and on the whole trade was within moderate limits throughout the entire week. However, values were on the steady side in the absence of much competition during the period under review.

Cinnamic Alcohol.—The movement was steady but was built from orders usually not in excess of moderate size and coming mainly from the smaller users. Quotations were steady and well maintained on the basis of a well stabilized cost of production.

Citral.—Although business was rather slow, the market had a steady undertone throughout the past week and values were well held in all particulars. Stocks in some directions were reported to be somewhat smaller than the normal reserve.

Diphenyl Methane. — Inquiry was somewhat improved. The requests for prices were more numerous in several quarters and gains in sales were reported in such directions. The market had a steady to firm undertone throughout the period.

Ethyl Cinnamate.—A quiet movement was noted. Calls for prompt shipments were about normal in volume and tended to keep the market firm in price and free from unsettling competition because of the continued presence of a fair sized outlet for stocks.

Eucalyptol.—Prices held firm, mainly because of the cost of production but also, in part, because of the very fair consumption featuring the item in a market most generally reported as being quiet.

Isobornyl Acetate.—This pineneedle odor material was in fairly well sustained demand. Consumers were in the market for quantities about normal for the item and business done kept prices firm and stable at levels prevailing for some time past.

Methyl Salicylate.—A fair inquiry was noted for quantities of moderate size. Those operating under contracts have taken goods in normal quantities. Price stability continued the keynote of values. Stocks were ample.

Current prices on essential oils and aromatic chemicals are given in the alphabetical list of prices beginning on page 7

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Products Department, Ontario, California

Producing Plant: The Exchange Orange Products Company, Ontario, California

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Botanical Drugs

Seeds

(Continued from page 48)

pound, while on the India seed 14c. to 14½c. was named.

Mustard.—English yellow was off to 8½c. to 8¾c. per pound, and Roumanian material was shaded to 5¾c. to 6¼c. Other varieties lacked quotable change. The local market was reported to be generally sluggish.

Spices

Cassia.—No. 3 Batavia was advanced to 9½c. to 10c. per pound. No. 1 was firmly maintained at the recent rise. Buds were very scarce and prices were close to normal. China material was well maintained in the absence of any local competition.

Ginger.—African root was a small fraction lower at 14¾c. to 15c. per pound. Medium bold Jamaica was shaded to 15¼c. to 15¾c. and the bright grinding was off to 15c. to 15½c. Other qualities lacked change. A general move in favor of buyers has featured this market of late.

Nutmegs.—Steady prices were in contrast with a demand that varied rather sharply from day to day. Quotations on 110's stood at 17c. to 17½c. per pound. In hand is a chart of prices on 110's from 1869 to 1897. In that period the top price was 90c. per pound, reached in the middle of 1874, and the low price of 30c. was touched early in 1897.

Paprika.—Hungarian extra fancy material was higher at 21c. to 22c. per pound. Other varieties of paprika lacked quotable change, but the market seemed to be slightly more steady than it had been in recent weeks when quotations tended in favor of buyers with orders in hand.

Peppers.—Black Lampong was shaded to 5c. to 5¼c. per pound and the Far Eastern market was unsettled because of large supplies. Tellicherry was also lower at 8¾c. to 9c. White Java Muntok was off to the basis of 8¼c. to 9½c., and the Singapore Muntok was down to 8c. to 8¼c. Japanese red chillies held very firm at the recent advance.

Trading in black pepper futures on the New York Produce Exchange from November 20 to November 26, inclusive, comprised 200 contracts, a total of 6,720,000 pounds. Following is a price record for the week:—

	Cents per pound—		
	High.	Low.	Close.
March	5.00	4.95	4.97@5.05
July	5.20	5.10	5.18 sale
September	5.30	5.30	5.26@5.30
October	5.35	5.30	5.30@5.35
December	4.86	4.75	4.85@4.90

Alcohol Denaturant Conference Postponed

WASHINGTON, Nov. 23, 1937.

The conference of industrial alcohol chemists with Treasury Department officials to discuss proposals for new alcohol denaturants, originally scheduled for December 1, has been postponed until some time in January.

Chemists of the Bureau of Internal Revenue are running exhaustive tests of several new materials which are being considered for denaturants, but these tests are not yet completed. Bureau chemists believe, however, that several of the new products, the nature of which has not yet been revealed, will prove to be suitable for completely denatured alcohol and that they will be more difficult to extract, more highly concentrated, of a better odor, and less expensive than denaturants now used. They have expressed the hope that the formulas will prove so satisfactory that they may replace specially denatured alcohol for many purposes. The present plan is to authorize the new formulas some time in the Spring without revoking existing C. D. alcohol formulas so that the new ones may be tried out in practice along with existing formulas.

Harry J. Ahlers, of John Powell & Co., this city, spoke of the general industrial interest in plans of pest control organizations at the November meeting of the Northwestern Association of Exterminators and Fumigators.

Charles Fischbeck Company, essential oils and aromatic chemicals, this city, has added Orzo M. Fish to its personnel. He will cover Chicago and surrounding territories. Headquarters will be in the Wrigley building, with Davis & Davis, Inc., the Chicago representative of the Fischbeck company.

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Petroleum Solvents, Lubricants, Fuels

Consuming Demand for Solvents Is Small—Tankwagon Prices Raised in Chicago District—Fuel Oil Sales Lag —Crude Output Higher

Petroleum solvents were in very light demand last week. The rubber tire makers and the manufacturers of surface coatings were buying in hand-to-mouth fashion. Pricewise, the solvents market was firm and the tankcar quotations at the Midcontinent held at the advanced levels that were established a week ago. There was a fractional increase in tankwagon prices for solvents in the Chicago district last week.

The general petroleum situation appeared soft and there was talk of an impending cut in crude oil prices in Texas. This was mere gossip and some of the observers of the market who were interviewed last week did not believe the cut would take place. Colder weather might stiffen the market by moving some of the heavy stocks of fuel oils in the tanks of the refiners and dealers. The Midcontinent gasoline market appeared a little stronger last week albeit there was no change in quotations there.

The daily average production of crude oil in United States for the week ended November 20 was 3,573,850 barrels, an increase of 32,400 barrels over the preceding week's average, according to the estimate of the American Petroleum Institute. The average for four weeks ended November 20 was 3,562,850 barrels and the average at this time a year ago was 3,062,950 barrels. Runs to stills were reported to the A. P. I. by companies controlling 89 percent of the nation's refinery capacity as having averaged 3,047,000 barrels a day for 82.3 percent of refinery operation. An additional 318,000 barrels a day were estimated to have been sent to stills unreported for a total estimated average of 3,365,000 barrels against 3,335,000 barrels in the preceding week.

Solvents and Diluents

The basic position of the market for petroleum solvents and naphthas was unchanged last week. The Midcontinent market seemed steady after having been advanced a week ago. Chicago reports indicated that tankwagon prices had been increased fractionally in that sector. The Eastern sellers have not been moving much material out of storage but the prices have been holding firmly. General consumption was light.

Cleaners' Naphthas.—The Midcontinent market appeared steady after the bulk prices were advanced a week ago. The tankcar price was now 7⅜c. per gallon, f.o.b. Group 3.

Lacquer Diluents.—The lacquer manufacturers' takings against contracts were small at this time. The price situation in the Midcontinent was steady at the recently established level of 8⅜c. per gallon, basis Group 3.

Petroleum Thinners.—The demands were light and the only change in the market last week was an advance of one-tenth of a cent per gallon in the tankwagon price at Chicago. The Midcontinent bulk market was in a firm position after having moved up to 6⅜c. per gallon a week ago.

Rubber Solvents.—The rubber tire industry did not show much of a buying interest last week. The demands from the Akron shops have been light for several weeks. The Midcontinent tankcar market for both light and heavy grades of solvent remained at 7⅜c. per gallon, f.o.b. Group 3.

Stoddard Solvent.—There has been no improvement in the demand for replacement supplies. The market was described as having been very slow. The prices were unchanged in the Midcontinent bulk market.

V. M. & P. Naphthas.—The market was very quiet last week. The increase of one-tenth cent per gallon in the tankwagon prices in the Chicago sector was the only change of the week. The Midcontinent market held steady following the recent restoration of prices to their former levels.

Markets at Other Centers

Chicago, Nov. 24.—Aside from the fractional advances which have been made in tankwagon prices of solvents and diluents, as a reflection of the recent increases in freight rates, there is little new in the markets for these products. The advances are one-tenth cent a gallon. Buyers are taking out fair amounts of material, tankcar and tankwagon. Ruling prices in tankcar lots except as noted are (tankcar prices f.o.b. Group 3 Oklahoma):—Blending naphtha, 4⅜c. to 4½c. per pound; cleaners' naphtha, 7⅜c. to 7½c., tankcar; 17.2c., tankwagon; petroleum spirits, 6⅜c. to 6½c., tankcar; 15.9c., tankwagon; lacquer diluent, 8⅜c. to 8½c.; rubber solvent, 7⅜c. to 7½c.; Stoddard solvent, 6⅞c. to 7c.; v.m. & p. naphtha, 7⅜c. to 7½c., tankcar; 18.2c., tankwagon.

Tulsa, Nov. 24.—Solvents were very quiet due to the low operating rate of the paint and rubber industries. Movement from the plants is at a low level. Most of the manufacturers are increasing inventories at this time but quotations are being well maintained.

Lighter Fractions

Light hydrocarbons passed through another very routine period last week. The weak position of the natural gasoline market has had no influence on the light gaseous fractions. Prices were quoted at the levels that have been in force for some months.

Butanes.—The market's position has not changed and 16-34 degree material was quoted in tankcars at 2¼c. to 3¾c. per gallon, f.o.b. Group 3.

Hexanes.—Schedule prices continued in force and the industrial consuming interest was described by sellers as having been routine.

Octanes. — This mixture remained steady at 10c. per gallon for tankcars, f.o.b. Group 3. Drum cars were priced at 13c. per gallon.

Petrolatums and Waxes

White Mineral Oils.—The week's trade was mild and not materially different from the demands of the preceding week. Technical oils were in fair request, according to some suppliers. The prices for foreign and domestic oil remained unchanged.

Paraffin Waxes.—The position of the market was unchanged. Crude white scale was still quoted at 2.95c. per pound for 122-124 A.m.p. and 3c. per pound for 124-126 A.m.p. However, firm bids at lower levels could have been placed in some directions. Fully refined wax was very quiet at unchanged prices.

CHICAGO, Nov. 24.—Refined wax continues to be in a fairly favored market position. Buying has shown an ability to continue right through on a fairly substantial basis. Prices are holding at levels that have existed for some time, and the tone is reported healthy. Ruling prices are:—122-124, 4.65c. to 4.75c. per pound; 125-127, 4.9c. to 5c.; 127-129, 5.05c. to 5.15c.; 130-132, bulk or bag, 5.45c. to 5.55c.; 132-134, bulk or bag, 5.7c. to 5.8c.

TULSA, Nov. 24.—Very little change developed in the wax market although quotations do not show the same firmness ruling in the earlier part of the month. Some sales at 2.85c. per pound have been reported, although the ruling quotation is 3 per pound.

Petrolatum. — The market did not show much of a change in position last week. Te demands were light, but the prices were holding firmly in the position they have occupied all year.

Fuels and Lubricants

The Eastern refined oils market did not show much of a change in position from a week ago. Refiners and dealers were heavily stocked with fuel oils and were waiting for colder weather to move things. The inquiry and demand was a little more brisk during the fore part of last week. The slow sale of fuel oil this season to date, combined with the heavy stocks waiting to be moved, has caused some weakness in the local retail price situation.

Market Conditions

Gasoline.—Local refiners quoted 7¼c. per gallon for motor grade of 65 octane and above. The position of this figure was regarded as having been somewhat easy. The movement out of the refinery points was fairly good last week. Jobber buying broadened in the fore part of the week in preparation for the Thanksgiving holiday trade. There has been no change in the export market at the Gulf.

Kerosene. — The market was a little more active than a week ago. The tankcar movement so far this month has been light. Prices continued unchanged at 6¼c. to 6.3c. per gallon for tankcars of the 41-43 water white material, f.o.b. refineries. There has been no change in the export market at the Gulf.

Fuel and Gas Oils.—The inquiry for fuel oil was more active, and the colder weather during the earlier part of the week stimulated the movement. Refiners' and dealers' storage tanks are loaded up, awaiting the arrival of cold weather. The slow movement of oil and the heavy stocks in storage here have caused some weakuess in the retail prices.

Lubricating Oils. — Pennsylvania oils held again last week without change. The bright stocks market was steady at the recently established price of 20c. per gallon, including tax. The neutrals and cylinder stocks were also unchanged.

Crude Oil Price Changes

Pennsylvania

The Pennzoil Company reduced posted prices for lower district Pennsylvania crude 5c. per barrel, November 19, making the price $2.25 to $2.30 per barrel.

Markets at Other Centers

Tulsa, Nov. 24.—Although not outstanding, there has nevertheless developed an improvement in the position of various products in the refined oil market throughout the Mid-continent field this week. In the gasoline market, which has been the most adversely affected of all products during the past few weeks, a steadier tone is reported.

There are no actual changes in quotations but the distressed offerings have decreased greatly and concessions are not offered as freely as they have been at any time this month. Several market observers believe that the market is in better shape than a week or ten days ago. The number of plants offering gasoline at the lowest price has also declined during the past week and there is a general acceptance by jobbers and marketers that further concessions may not be granted by sellers as a more normal condition appears to be in the making.

The continuation of the trend to curtail operations at the plant is a factor which in itself, is probably the direct cause of the improvement this week. It has also made trading in burning oils extremely difficult as the supply of these products is naturally being reduced with a reduction in general refinery operations. Buyers report that there is a general inability to buy the higher grades of distillates although there is some No. 1 prime white being traded in at 4c. per gallon.

Another burst of buying has developed in natural gasoline and movement has again reached greater proportions than was attained at any time this month. It has brought considerable strength to the market as many of the manufacturers have also had to shop at smaller plants to meet the demand this week. Lower temperatures have stimulated this demand. The movement, it is believed, is sufficient to maintain the current strong tone during early December.

The demand for pale oils is a seasonal development and has featured the trading in the lubricants during the week. The condition of tightness found in this market is somewhat comparable to the distillate market. Refiners are cautious in deliveries although no change appears in quotations.

GASOLINE.—Although most of the re-

Outputs and Quotas

A comparison of Bureau of Mines calculations for November production, State allowable quotas where they exist and the American Petroleum Institute's estimate of crude production for the week ended November 20 follows:—

	B. of M. Dept. of Int. calculations.	State allowable.	Estimated output.
Oklahoma ..	598,000	575,000	590,000
Kansas	189,700	180,215	180,215
Texas 1,413,300	1,354,143	1,430,400
Louisiana ..	246,200	253,150	244,050
Arkansas ...	33,100	.....	46,050
Eastern	124,000	.....	135,600
Michigan ...	47,400	.....	55,250
Wyoming ...	56,300	.....	57,200
Montana	17,100	.....	15,300
Colorado	4,500	.....	4,250
New Mexico.	104,800	104,800	104,800
California ..	674,600	*674,600	712,000
Totals 3,509,000		.....	3,573,850

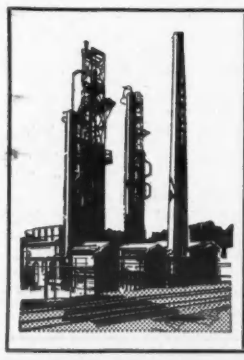
* Recommendation of Central Committee of California Oil Producers.

The State of the Petroleum Market

Prices for lower district Pennsylvania crude were reduced 5c. per barrel last week. Gasoline was unchanged but appeared a little stronger at the Midcontinent.

	Nov. 26	Nov. 19	Last Year
Crude petroleum prices at well (average for ten fields) per barrel.....	$1.337	$1.337	$1.276
Gasoline prices at refineries (at four refining centers) per gallon.....	.0525	.0525	.0534375

Current prices on petroleum and its products are given in the alphabetical list of prices beginning on page 7



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Petroleum Production—Motor Fuel Stocks

	Barrels— 1937 Jan. 1-Nov. 27	1936 Jan. 1-Nov. 27
Commercial crude oil production	1,151,444,000	972,400,000
	Week ended Nov. 27, 1937	Week ended Nov. 28, 1936
Daily average production	3,561,700	3,042,000
	Week ended Nov. 20, 1937	Week ended Nov. 13, 1937
Estimated motor fuel stock total	67,661,000	67,035,000
Estimated finished motor fuel stock at refineries	38,044,000	36,791,000

finers are unwilling to offer third grade U. S. Motor below 4c., there is nevertheless some trade affected at 3¾c. to 3⅞c. per gallon. The amount offered at the lowest quotations, however, is materially less than a week ago. Other grades are 63-66 octane, 4⅜c. to 4⅝c.; 67-69 octane, 4⅞c. to 5c.; 70-72 octane, 5¼c. to 5⅜c. per gallon. The 64-66 gravity 375 e.p. is generally quoted at 4⅞c. to 5c. and the 68-70 gravity 360 e.p., 5c. to 5⅛c. per gallon.

NATURAL GASOLINE.—Quotations for the 26-70 grade are again unparity in Oklahoma and Texas at 3¾c. per gallon, the 22 pound material, 4⅛c. per gallon, 18 pound, 4½c., and the 14 pound, 5c. per gallon.

KEROSENE.—Trading is quiet with quotations unchanged for both active grades. The 41-43 is 4c. to 4⅛c. per gallon, and the 42-44 is 4⅛c. to 4¼c. per gallon.

DISTILLATES.—A small supply of No. 1 prime white appears to be on the market at 4c. to 4⅛c. per gallon, and No. 1 straw, 3⅞c. to 4c. per gallon. No. 2 straw, 32-36 is 3¾c. to 3⅞c. per gallon, while zero gas oils are 3½c. to 3⅝c. per gallon.

FUEL OIL.—Quotations are being fairly well maintained in high gravity fuels due to low cold tests, but the heavier products appear to be in abundant supply. Concessions are being made in the heaviest grades below 15 degree gravity and high cold tests at 65c. per barrel. The 24-28 low cold test is $1.07½ per barrel while the high cold test is 90c.

Chicago, Nov. 24.—Tankcar gasoline prices have made a fair stand in the last two weeks, and seem to have had more resistance to pressure than at any time in the last two months. Buying in the open spot market has continued slow. Sellers have simply refused to sell at much lower prices, pointing out that they are suffering heavy losses as it is. Consumption has held up well for the season. Kerosene is seasonally dull. The best grades of heating products are extremely firm, and not overly ample in supply. Heavy fuel oils are the weakest spot in the whole market. Lubricating oil business continues slow and featureless.

GASOLINE.—Low octane motor, 4⅛c. to 4⅜c. per gallon; 63-66 octane, 4½c. to 4¾c.; 67-69 octane, 4⅞c. to 5⅛c.; 70-72, regular, 5¼c. to 5½c.; 60-62, 400, 4⅛c. to 4⅜c.; 64-66, 375, 4¾c. to 5⅛c.; 64-66, 360, 5⅛c. to 5⅜c.

KEROSENE.—42-44, water white, 4¼c. to 4½c. per gallon; 41-43, water white, 4c. to 4¼c.

FURNACE OILS.—No. 1 white, 4c. to 4⅛c. per gallon; No. 1 straw, 3¾c. to 4c.; No. 2 straw, 3⅝c. to 3¾c.; No. 2, dark, 3½c. to 3⅝c.; No. 3, 3⅜c. to 3⅝c.; 32-36, dark, industrial, 3c. to 3⅛c.

FUEL OILS.—No. 4, $1.07½ to $1.12½ per barrel; No. 5, 82½c. to 90c.; No. 6, 75c. to 82½c.

New Orleans, Nov. 23.—The domestic market held its own during the past week with quotations remaining at a steady level. Foreign inquiries and exports continued good. U. S. motor gasoline was quoted at 5¾c.; U. S. motor below 62 octane, at 5¾c.; 63-67 octane, at 6c. and 68-70 octane, at 6½c.—all prices being on a per gallon basis at refinery.

Kerosene continued to be quoted at 7⅜c. per gallon at refinery.

Bunker C fuel oil demand was good at a quoted price of $0.95 per barrel at terminal and $1 per barrel delivered alongside. Industrial plants were quoted on a basis of $1.46 per barrel, delivered.

Steel Barrel Output: 9 Mos.

Steel barrel production in the United States in the first nine months of 1937, totalled 7,524,776 barrels and drums, and shipments aggregated 7,538,467 barrels and drums, compared with 6,048,650 and 6,047,000 respectively for the comparative period of 1936. Operations, ratio to capacity, for the nine months were 53.0, compared with 42.9 for the same period of 1936. Production for June was 923,049 barrels and drums, and shipments 929,536 barrels and drums, compared pared with 706,604 and 708,069 respectively for the same month of 1936; for July, production was 716,038, and shipments, 715,014, compared with 759,275, and 749,415 respectively the same month in 1936; for August, production was 773,025 and shipments 771,427, compared with 595,254 and 599,123 respectively, for the corresponding month of 1936, and for September, production was 724,835, and shipments 725,699, compared with 799,871 and 795,746 respectively, for September, 1936.

Penna. Oil Products Offers Complete Petrolatums Line

The Pennsylvania Oil Products Refining Company, specialists in the refining of petroleum products, Warren, Pa., is offering a complete line of petrolatums in all colors and viscosities. The company also refines white oils in technical grades for industrial use and in all standard U.S.P. viscosities and gravities. New users are attracted to the superior quality of "Eldrol" white oils and petrolatum, refined exclusively rrom American crude. They are assured that they will receive products that are right.

The company's quarter century of refining experience, and the advantages available in one of the most modern plants in the industry, insure the delivery of products of finest quality at all times. The company is capable of supplying every need of the user of white oil or petrolatum.

Bay Petroleum Starts New Plant

The Bay Petroleum Company's new refinery at Denver, Colo., with a daily capacity of 3,000 barrels costing approximately $1,000,000, was completed early this month. M. H. Robineau is president of the company, and Charles U. Bay, of A. M. Kidder & Co., member of the New York Stock Exchange, is chairman of the board.

Oil Conspiracy Charges Off 3 More Companies

MADISON, Wis., Nov. 23, 1937.

Judge Patrick T. Stone dismissed the Government's anti-trust case against three of the remaining nineteen corporate defendants yesterday. Gasoline price-fixing conspiracy charges, now in their eighth week of trial, were dismissed against the Gulf Oil Corporation, the Gulf Refining Company, and the Texas Company. Dismissal also applied to officials of the Texas Company, W. S. S. Rogers, president; R. D. Cottingham, assistant to the president, and H. W. Dodge, vice-president in charge of sales, all of New York, and P. C. Scullin, Houston, Tex., general manager of the Indian Refining Company, a Texas subsidiary.

Today Judge Stone refused to dismiss the charges against the sixteen remaining defendant companies, and recessed the hearing until November 29.

Previously dismissed were charges against the Cities Service Export Oil Company, the Louisiana Oil Refining Company, the Tide Water Associated Oil Company, the Deep Rock Oil Corporation, and the three trade journals, *Platt's Oilgram*, the *National Petroleum News*, and the *Chicago Journal of Commerce*. W. C. Platt, Cleveland, publisher of the *Oilgram*, also had been exonerated.

Blaustein Left $500,000 For Charity Foundation

Louis Blaustein, founder and formerly president of the American Oil Company, who died July 27, disposed of an estate estimated at $3,000,000, in his will filed in the Orphans Court, Baltimore.

He set aside $500,000 for a liberalized charity foundation to "provide for the furtherance and development of such charitable, benevolent, recreational, hospital, infirmary, educational, scientific, library, literary, research, and other similar purposes," as the directors of the foundation may determine.

Mr. Blaustein left an aggregate of $300,000 to old employees and associates in his business, the rest of the estate going to his widow and children.

Henry L. Doherty Named Anthony Lucas Medalist

Henry L. Doherty, president of the Cities Service Company, has been awarded the Anthony F. Lucas gold medal by the American Institute of Mining and Metallurgical Engineers, according to A. R. Parsons, secretary of the institute in New York.

The medal recognizes "distinguished achievement in improving the technique and practice of finding and producing petroleum." The present award is made on recommendation of a special committee of 15 leaders in the petroleum industry, under the chairmanship of John R. Suman, vice-president of the Humble Oil Company. The only previous recipient was J. Edgar Pew, vice-president of the Sun Oil Company.

Imperial Chemical Industries, Ltd., will start work shortly on a chemical plant which it is to build for the British government in Mossend, Scotland. A site of 25 acres has been acquired.

Obituaries

Albert S. Burleson

Albert Sidney Burleson, former Postmaster General of the United States, died November 24, in his home in Austin, Texas. He was seventy-four years old. He was Postmaster General in the administration of President Wilson. He established the air mail in 1918. He aided in giving great impetus to commercial aviation. He took the newly inaugurated parcel post service and built it into a vast and useful system. His department during the World War made many contributions to the work of knitting the nation together for the vast task of winning the conflict.

During later years Mr. Burleson had played no part in politics. Oil was discovered on large blocks of land in West Texas which Mr. Burleson owned, and during the last several years he is said to have received large annual revenue in the form of royalties on production from many wells.

He was born in San Marcos, Texas. Surviving are his wife and three children.

Sir Jagadis C. Bose

Sir Jagadis Chunder Bose, Hindu savant, who created a storm in scientific circles with his "heart beat" theory of plants, died in Giridih, India, November 23. He was seventy-nine years old. Educated in India and in Europe, he had devoted himself since 1915 to the Bose Research Institute at Calcutta, which he established.

Kenneth R. Kingsbury

Kenneth R. Kingsbury, president of the Standard Oil Company of California since 1919 and one of the most widely known business and civic leaders on the Pacific coast, died November 22 aboard the Grace liner Santa Paula while it was en route through the Panama Canal. He was sixty-one years old.

Born in Columbus, Ohio, Mr. Kingsbury was graduated from Princeton University and took a mining engineering course at Columbia University. He entered the oil business as an employee of the Southern Pipe Line Company, Chambersburg, Pa., at $60 a month, counting pieces of pipe as they passed from freight cars to company trucks. Then he worked as a fireman's helper in a pumping station near Hancock, Md., and as a timekeeper of a construction gang and gauger at a pumping station. Then he took a clerkship with the Standard Oil Company, in this city, at $50 a month. He later switched to the sales department, got a chance traveling, and advanced rapidly. His success as a salesman led to H. M. Tilford, then president of the Standard Oil Company of California, making him his assistant. In 1919, when forty-three years old, Mr. Kingsbury became the youngest Standard Oil Company president up to that time.

Mr. Kingsbury was a member of the Nassau Club of Princeton, the Princeton Club, and India House, this city. In 1917 he married Mary Bell Gwin Follis, of San Francisco, where he made his home.

Benjamin Lissberger

Benjamin Lissberger, chairman of the board of the Federated Metals Division of the American Smelting & Refining

(Continued on page 60)

HEEKIN CANS

Displayed on the Shelves of the Nation's Stores

Dealers in every line have their shelves and display windows filled with those products that are packed in Heekin Cans . . . because the colors are more beautiful, the lithography more appealing . . . the character of the can more convincing of the quality of the product. Put your products in Heekin Cans and watch the dealers . . . today dealers everywhere are insisting on attractive packages. Join in the procession. Write us today for complete information.

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Fertilizer Materials

Producers Show Little Interest in Purchase of Raw Materials —Sulphate of Ammonia Position Tightening Because of Small Production

The fertilizer materials market was marked by universal dullness last week. There has been no interest in the purchase of raw materials for fertilizer mixtures. Fertilizer producers have their interest fixed in other directions. Out-of-town reports indicate that there is a growing disposition toward reselling some of the materials bought earlier in the season, but to date there has been little trading in the resale market, perhaps because there are no buyers at this time.

The sulphate of ammonia situation is tightening. Steel mill operations are now down to about 31 percent of capacity, and sulphate output was believed to be smaller than at any time in the past few years. If production does not increase substantially within the next few weeks, deliveries are likely to be delayed and a shortage is possible later in the season.

Organic ammoniates went begging for buyers last week. The price changes in this group were few, and again were unimportant.

Potash materials were lacking in new developments. The only noticeable activity in potash salts was in the regular deliveries against the contracts that were booked at the discounts available earlier in the season.

Price Changes

Prices were changed during the past week as follows:—

Advanced

Blood, dom., Chicago, 10c. per unit-ton.

Reduced

Hoof meal, Chicago, 20c. per unit-ton. Tankage, dom., New York, 10c. per unit-ton.

Comparative Values

Index numbers compiled from four typical fertilizer materials on the basis of a normal of 100 for August 1, 1914, compare as follows:—

Last week.	Prev. week.	Last month.	Last year.
66.7	66.7	66.7	63.6

Market news that may have developed after this report was sent to press will be found on page 4.

Ammoniates

Nitrate of Soda.—The movement against contracts improved somewhat last week, particularly in the North, where mixing operations have been started in some of the plants. The price situation is steady at schedule levels. Imports of nitrate of soda into Italy were facilitated by a ministerial decree of October 26, 1937, which prolonged the date fixed for duty-free importation of 50,000 tons of crude sodium nitrate until April 30, 1938. Total imports of crude sodium nitrate from January 1, 1937, to July 31, 1937, amounted to 80,380 metric tons, according to consular advices from Rome.

Sulphate of Ammonia.—The market has been tightening up continually. Steel mill operations declined further and are now down to around 31 percent of capacity, the smallest operating rate in years. Hence sulphate production is estimated to be at its lowest rate in a long time. In the coming weeks it was considered likely that deliveries of sulphate may be delayed, and, if the production does not show a material improvement soon, there is likely to be a very tight pinch in the Spring. As indicated previously, some of the sulphate bought early this season may be pretty valuable property in the Spring.

Dried Blood.—Some of the local holders asked $3.15 per unit, but the "going" position of the market in New York was $3.10 per unit. The Chicago market advanced last week, with $3.10 per unit quoted against $3 in the preceding week. Steamer space from abroad was still tight, and the imported material for December shipment from abroad was firm at $3.35 per unit.

Fish Scrap.—Reports from the South indicate some fairly satisfactory fishing results off the Carolina coast. Fishing in the Chesapeake waters ended for the season a week ago. So far as could be learned there have been no offerings of Chespeake menhaden scrap for resale during the past several days. The last known price paid was $3.60 and 10c. per unit-ton, basis factory. Japanese sardine meal was offered at $45 per ton on spot and for nearby arrival. Offerings for December-January shipment from abroad were priced at $46 per ton, c.i.f., and a sale was reported at that basis.

Hoof Meal.—The Chicago market was lower last week, with offerings at $3.20 per unit, a reduction of 20c. from the price asked previously. There was very little purchasing interest in the article.

Nitrogenous Material.—There was no buying interest in the market last week, and prices for both foreign and domestic material were unchanged from those of a week ago.

Tankage.—Prices sagged in New York, but quotations elsewhere were unchanged. The ground product moved down to $3 and 10c. per unit-ton and unground went off to $2.80 and 10c. per unit-ton, both off 10c. per unit-ton. There was very little interest shown.

Urea.—Commercial production of a new compound containing 42 percent urea nitrogen has been started at Belle, W. Va. Its high nitrogen content is combined with a low equivalent acidity of 36 pounds of calcium carbonate per unit of nitrogen or 75.6 pounds of calcium carbonate per 100 pounds. The makers claim it is peculiarly adapted to use in mixed fertilizers, where the superphosphate is thoroughly neutralized by ammoniation or by the use of dolomitic limestone or other alkaline materials.

Potashes

There were no developments in the potash materials market that were worthy of comment. The market occupies a very routine groove at this time and the only noticable activity was the regular delivery of materials bought on contracts that were placed earlier in the season at price discounts.

Field tests run at Southwest Mississippi Junior college under supervision of the Mississippi Experiment station reveal that fertilizers with high phosphorus and potash content are most profitable for cotton production in south Mississippi, according to Dean John I. Hurst of the college agriculture department. Experiments which consisted of a study of 10 varieties of cotton, 11 varieties of corn, and 11 fertilizer formulas showed in the cotton fertilizer tests, that when a high-grade potash fertilizer was used results showed a heavy yield, better maturing bolls, and the stalks retained leaves and a healthy green color with a minimum of rust. Higher percentages of phosphate added greatly to growth of the cotton stalk, they discovered. The plants were larger, heavily fruited, and matured early.

Phosphates

The phospatic materials were in a stagnant position in company with the ammoniates and potash salts. There is very little buying concern at this time and the sellers were more or less resigned to the slowness of the market and were not pushing for sales. There was not a single price change reported during the week.

Bone Materials.—Prices for foreign and domestic bone products held a nominal position because of the lack of trading. There were no price changes reported during the week and practically no interest in the market.

Superphosphate.—The takings against contracts have slowed down measurably during recent weeks, but the market has not lost any of its firmness, and the Baltimore producers continued to quote $8.50 per ton for the run of the pile and $9 per ton for guaranteed 16 percent material.

Sulphur and Pyrites

The contract demand for sulphur has moderated this month. Foreign business was understood to have held up fairly well, but domestic shipments were falling behind during the present quarter. The price situation continued firm and unchanged at its long-standing level and the sellers were talking 1938 business at the basis of $18 per long ton at the mines.

Current prices on fertilizer materials are given in the alphabetical list of prices beginning on page 7

Markets at Other Centers

Atlanta, Nov. 23.—The market for fertilizer materials was still quiet and hesitant about commitments for the remainder of materials needed for next spring. Some talk is heard of heavy buyers who purchased early when discounts were greatest, wanting to sell some of the materials on which they think they may have overstocked.

A cold wave has swept the South in recent days with possible damage to early vegetation in the lower South, where very good trading in fertilizers had been in progress.

Fertilizer interests in the South are quite concerned about the program for cotton curtailments.

Quotations of this market are as follows:—

SUPERPHOSPHATE.—$9.60 per ton, interior producing points.

NITRATE OF SODA.—$27 per ton, port basis.

SULPHATE OF AMMONIA.—$29 per ton, port basis.

COTTONSEED MEAL.—7 percent protein, $22.50 to $23 per ton, interior mills.

BLOOD.—$3.10 per unit, Chicago basis.

TANKAGE.—$2.80 to $2.90 and 10c. per unit, Chicago.

NITROGENOUS.—Imported, $2.70 per unit, ports; $2.25 to $2.30 midwest.

Baltimore, Nov. 23.—Conditions in the market for crude fertilizer materials did not undergo any changes of consequence last week. There was little demand for any of the products required by the makers of mixtures. Sellers refrained from carrying on active efforts to place supplies. In the face of the quiet, prices held up fairly well, with sellers evidently inclined to wait until the demand again asserts itself. The figures mentioned were as follows:—

FISH SCRAP.—The fishing for menhaden down the Chesapeake Bay and off the Virginia capes came to an end more than a week ago, but companies operating along the Carolina shore continued at work and found results fairly encouraging, the schools having reached that latitude and were lingering there. Some sales of scrap were reported from Beaufort at $3.50 and 10c. per unit-ton at shipping point, which about equals the figure realized here while the season was still on. Menhaden meal is quoted at $53 to $54 per ton, and Japanese sardine meal around $46 per ton.

TANKAGE.—$3 and 10c. per unit-ton for high-grade ground and $2.90 and 10c. per unit-ton for unground supplies, c.a.f. basis Baltimore.

BLOOD.—$3.10 to $3.15 per unit-ton, c.a.f. basis Baltimore.

SUPERPHOSPHATE.—The nominal quotations stand at $8.50 per ton for run of pile and at $9 per ton for 16 percent milled and screened stocks.

GARBAGE TANKAGE.—$8.50 per ton, f.o.b. shipping point, which would make the price here around $12.50 per ton.

BONE.—The current quotations stand at $26 per ton for 5 and 40 ground, at $30 to $32 per ton for 4½ and 50 ground raw, and at $23 per ton for 3 and 50 ground steamed stocks.

Chicago, Nov. 23.—The general fertilizer market situation has been somewhat dull. Prices for the most part are revealing no decided tendency of prices. Buying is along lines that indicate a desire by purchasers to cover immediate requirements only. Offerings are fully adequate to the current rate of takings. Blood is quiet,

(Continued on page 54)

Business Privilege Tax Of Virginia Is Upheld

The Virginia business privilege tax has been upheld by the Supreme Court of the United States in an action brought by the Atlantic Refining Company. The tax, in existence since 1910, is imposed on corporations for the privilege of entering business in the State and is graduated from $30 to $5,000, based upon the authorized capital stock.

The Atlantic Refining Company, incorporated outside of the State, took over the local oil business previously done by other concerns, and paid an entrance fee of $5,000 under protest that the tax burdens interstate commerce and denies equal protection of the laws. The supreme court upheld the tax on the ground that it applies equally to local and interstate business, and that it is not unreasonable for the State to impose a single tax based on authorized capital instead of attempting to make annual adjustments of the business privilege fee based upon the capital actually employed, assets owned, or business done within the State.

Freight Rate General Increase Petition to Be Heard by I.C.C.

WASHINGTON, Nov. 16, 1937

Hearings on the proposal of class I and shortline railroads for a general freight rate increase of 15 percent have been set for November 29, by the Interstate Commerce Commision. The hearings will begin at 10 a. m. that day at the commission's offices in Washington.

The class I railroads filed a petition November 5 requesting approval of such an increase, and this was followed the next day by a supplemental petition from the shortline roads.

Naphthenic Soap Emulsions

S. Schwabacher & Co., petroleum products, this city, is distributing copies of an article on "Naphthenic Soap Emulsions," which discusses a number of industrial applications of mineral oil residues as emulsifying and bodying agents. Copies of the article may be obtained by communicating with the company, 25 Beaver street, this city.

DOMESTIC
SULPHATE OF AMMONIA
AND AMMONIA LIQUOR
THE Barrett COMPANY — 40 RECTOR STREET, NEW YORK

SUNSHINE STATE POTASH
A PRODUCT OF NEW MEXICO U.S.A.
REG. U. S. PAT. OFF.
MURIATE OF POTASH 62/63% K_2O, ALSO 50% K_2O
MANURE SALTS APPROXIMATELY 30% K_2O
UNITED STATES POTASH COMPANY, INC.
30 Rockefeller Plaza, New York, N. Y.

Bids Wanted

Acetylene, Dissolved:—50,000 cubic feet; U. S. Engineer Office, Second District, New Orleans; circular 216, opening December 3.

Aluminum Powder:.— 2,800 pounds; for Brooklyn; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 2157, opening December 3.

Ammonia:—Supplies for various deliveries; Quartermaster Depot, Chicago; procurement 199-85, opening December 6.

Bluing, Liquid:—Supplies for various deliveries; Quartermaster Depot, Chicago; procurement 199-85, opening December 6.

Borax:—Supplies for various deliveries; Quartermaster Depot, Chicago; procurement 199-85, opening December 6.

Caustic Soda:—2,400 pounds; Quartermaster Supply Officer, Army Base, Brooklyn, N. Y.; procurement 626-111, opening December 8.

Coaltar:—10,000 gallons; General Purchasing Officer, Panama Canal, Washington; schedule 3304, opening December 13.

Diphenylamine:—5,600 pounds; Commanding Officer, Picatinny Arsenal, N. J.; procurement 389, opening December 20.

Fuel Oil:—60,000 barrels; Quartermaster Supply Officer, Army Base, Brooklyn, N. Y.; procurement 626-107, opening December 17.

Fuel Oil, Bunker C:—60,000 barrels; General Purchasing Officer, Panama Canal, Washington; schedule 3305, opening December 14.

Gasoline:—Supplies for various deliveries; U. S. Engineer Office, Vicksburg, Miss.; procurement 115, opening December 10.

Gasoline and Oil:—Supplies for various deliveries; U. S. Engineer Office, Fort Peck, Mont.; circular 157, opening December 15.

Hydrogen Cutting Gas:—100,000 cubic feet; U. S. Engineer Office, Second District, New Orleans; circular 216, opening December 3.

Iodine Tincture:—200 2-ounce bottles; Purchasing Agent, Post Office Department, Washington; procurement 1263, opening December 3.

Kerosene:—4,000 gallons; U. S. Engineer, Fort Peck, Mont.; circular 158, opening December 16.

Lard Oil:—6,000 gallons; Commanding Officer, Springfield Armory, Mass.; circular 89, opening December 7.

Linseed Oil, Boiled:—2,325 pounds for eastern and western yards; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 2168, opening December 7.

Linseed Oil, Raw:—20,925 pounds for eastern and western yards; Bureau of Supplies and Accounts, Navy Department, Washington; schedule 2168, opening December 7.

Metal Polish:—Supplies for various deliveries; Quartermaster Depot, Chicago; procurement 199-85, opening December 6.

Mineral Salt, Pure:—22½ tons; Quartermaster, Marine Corps, Washington; schedule 407, opening December 1.

Oil, Class D:—1,100 gallons; Purchasing Agent, Government Printing Office, Washington; opening December 1.

Oil, Glatting:—3,000 gallons; General Purchasing Officer, Panama Canal, Washington; schedule 3304, opening December 13.

Oxygen:—200,000 cubic feet; U. S. Engineer Office, Second District, New Orleans; circular 216, opening December 3.

Paint:—355 gallons, yellow and house and cantonment; Commanding Officer, Picatinny Arsenal, N. J.; procurement 391, opening December 6.

Salad Dressing:—Supplies for various deliveries; Quartermaster Depot, Chicago; procurement 199-85, opening December 6.

Salad Oil:—Supplies; Quartermaster, Army Medical Center, Washington; procurement 943-17, opening December 2.

Salt:—Supplies; Quartermaster Depot, 1819 West Pershing road, Chicago; procurement 199-80, opening December 3.

Scouring Powder:—Supplies for various deliveries; Quartermaster Depot, Chicago; procurement 199-85, opening December 6.

Shoe Polish:—Supplies for various deliveries; Quartermaster Depot, Chicago; procurement 199-85, opening December 6.

Soap Flakes: — Supplies; Quartermaster, Army Medical Center, Washington; procurement 943-17, opening December 2.

Soap, Leather Equipment:—10,000 pounds; Commanding Officer, Benicia Arsenal, Calif.; procurement 28, opening December 10.

Soap, Toilet: — Supplies; Quartermaster, Army Medical Center, Washington; procurement 943-17, opening December 2.

Solvent, Dry Cleaning:—7,000 gallons; Quartermaster Supply Officer, Army Base, Brooklyn, N. Y.; procurement 626-111, opening December 8.

Spices and Flavorings:—Supplies for various deliveries; Quartermaster Supply Officer, Army Base, Brooklyn, N. Y.; procurement 626-105, opening December 2.

Talcum Powder:—Supplies; Quartermaster, Army Medical Center, Washington; procurement 943-17, opening December 2.

Triacetin (Glyceryl):—40,000 pounds; Commanding Officer, Picatinny Arsenal, N. J.; procurement 386, opening December 20.

Dividends Reported Since Last Publication

	Stock.	Class.	Amount.	Payable.	Of record.
Abbott Laboratories, Inc.	Com.	Q.	40c.	Dec. 29	Dec. 16
Abbott Laboratories, Inc.	Com.	Ext.	10c.	Dec. 29	Dec. 16
Andean National Corp.	.....	S.	$1.00	Dec. 1	Nov. 20
Andean National Corp.	.....	Ext.	$1.00	Dec. 1	Nov. 20
Archer-Daniels-Midland Co.	Com.	..	50c.	Dec. 1	Nov. 20
Atlas Powder Co.	Com.	..	75c.	Dec. 10	Nov. 30
Beech-Nut Packing Co.	Com.	Spl.	$1.00	Dec. 15	Nov. 22
Bon Ami	Cl. A	Sd.	2-200 sh.	Dec. 15	Dec. 1
Bon Ami	Cl. A	Ext.	$2.00	Dec. 15	Dec. 1
Bon Ami	Cl. B	Sd.	1-200 sh.	Dec. 15	Dec. 1
Bon Ami	Cl. B	Ext.	$1.00	Dec. 15	Dec. 1
Chesebrough Mfg. Co.	.....	Q.	$1.00	Dec. 20	Nov. 26
Chesebrough Mfg. Co.	.....	Ext.	$1.50	Dec. 20	Nov. 26
Coca-Cola Co.	Com.	Q.	75c.	Dec. 15	Nov. 26
Coca-Cola Co.	Com.	Ext.	$2.00	Dec. 15	Nov. 26
Coca-Cola Co.	Cl. A	S.	$1.50	Dec. 15	Nov. 26
Columbian Carbon Co.	VTC	Q.	$1.00	Dec. 10	Nov. 19
Columbian Carbon Co.	VTC	Spl.	75c.	Dec. 10	Nov. 19
Compania Swift Internacional	DC	Q.	50c.	Dec. 1	Nov. 15
Continental Can Co.	Pfd.	1st Qr.	$1.12½	Jan. 1	Dec. 10
Continental Oil Co. (Del.)	.....	..	25c.	Dec. 20	Nov. 29
Cook Paint & Varnish Co.	Com.	Q.	15c.	Nov. 26	Nov. 19
Cook Paint & Varnish Co.	Com.	Ext.	20c.	Nov. 26	Nov. 19
Cook Paint & Varnish Co.	Pfd.	Q.	$1.00	Nov. 26	Nov. 19
Crown Cork & Seal Co.	Com.	Q.	50c.	Dec. 6	Nov. 22
Du Pont (E. I.) de Nemours & Co.	DS	Q.	$1.50	Jan. 25	Jan. 10
Du Pont (E. I.) de Nemours & Co.	Pfd.	Q.	$1.12½	Jan. 25	Jan. 10
Du Pont (E. I.) de Nemours & Co.	.....	..	$2.00	Dec. 14	Nov. 22
Eastman Kodak Co.	Com.	Ext.	50c.	Dec. 10	Nov. 20
Gallagher Drug Co.	Cu. pfd.	Q.	$1.75	Nov. 15	Nov. 13
Gallagher Drug Co.	Pt. pfd.	Q.	35c.	Nov. 15	Nov. 13
General Plastics, Inc.	Com.	..	50c.	Nov. 15	Nov. 9
General Plastics, Inc.	7% pfd.	Q.	$1.75	Nov. 15	Nov. 9
General Plastics, Inc.	6% pfd.	Q.	37½c.	Nov. 15	Nov. 9
Gulf Oil Co.	.....	..	15c.	Dec. 15	Dec. 1
Hilton-Davis Chemical Co.	Com.	Q.	25c.	Dec. 31	Dec. 1
Hiram-Walker-Gooderham & Worts.	Com.	..	$1.00	Dec. 15	Nov. 26
Hiram-Walker-Gooderham & Worts.	Pfd.	Q.	25c.	Dec. 15	Nov. 26
Homestake Mining Co.	.....	M.	37½c.	Nov. 24	Nov. 20
Honolulu Oil Corp.	.....	..	25c.	Dec. 15	Dec. 3
Humble Oil & Refining Co.	Com.	..	62½c.	Dec. 10	Dec. 1
Imperial Oil, Ltd.	.....	S.	25c.	Dec. 1	Nov. 17
Imperial Oil, Ltd.	.....	Ext.	37½c.	Dec. 1	Nov. 17
International Petroleum Co.	.....	S.	75c.	Dec. 1	Nov. 19
International Petroleum Co.	.....	Ext.	50c.	Dec. 1	Nov. 19
International Salt Co.	.....	Q.	37½c.	Dec. 15	Dec. 1
International Salt Co.	.....	Ext.	25c.	Dec. 15	Dec. 1
Kellogg (Spencer) & Sons	Com.	Q.	40c.	Dec. 31	Dec. 15
Kennecott Copper Corp.	.....	..	50c.	Dec. 23	Nov. 26
Kennecott Copper Corp.	.....	Spl.	$1.00	Dec. 23	Nov. 26
Leslie Salt Co.	.....	Q.	50c.	Dec. 15	Dec. 1
Libbey-Owens-Ford Glass Co.	Com.	..	$1.00	Dec. 15	Nov. 30
Life Savers Corp.	.....	Q.	40c.	Dec. 1	Nov. 20
Life Savers Corp.	.....	Spl.	70c.	Dec. 1	Nov. 20
Magma Copper Co.	.....	..	$1.25	Dec. 15	Nov. 26
Metal Textile Corp.	Pfd.	Q.	81¼c.	Dec. 1	Nov. 20
Minneapolis-Honeywell Regulator Co.	B pfd.	Q.	$1.00	Dec. 1	Nov. 20
Monsanto Chemical Co.	Com.	..	50c.	Dec. 15	Nov. 24
National Lead Co.	A pfd.	Q.	$1.75	Dec. 15	Nov. 26
National Oil Products Co.	Com.	Q.	$1.00	Dec. 10	Nov. 26
Oilstocks, Ltd.	Com.	S.	20c.	Dec. 24	Dec. 16
Oilstocks, Ltd.	Com.	Ext.	30c.	Dec. 24	Dec. 16
Paraffine Cos.	Com.	..	$1.00	Dec. 23	Dec. 10
Patterson-Sargent Co.	Com.	Q.	25c.	Dec. 1	Nov. 16
Pennsylvania Salt Mfg. Co.	Com.	..	$3.00	Dec. 15	Nov. 30
Peoples Drug Co.	Pfd.	Q.	$1.62½	Dec. 15	Dec. 1
Procter & Gamble Co.	Pfd.	Q	$1.25	Dec. 15	Nov. 24
Royalite Oil, Ltd.	Com.	..	50c.	Dec. 1	Nov. 19
Royalite Oil, Ltd.	Com.	Ext.	25c.	Dec. 1	Nov. 19
Skelly Oil Co.	Com.	..	50c.	Dec. 15	Nov. 22
Southland Royalty Co.	.....	..	20c.	Dec. 15	.....
Standard Oil Co. (Ky.)	.....	Q.	25c.	Dec. 15	Nov. 30
Standard Oil Co. (Ky.)	.....	Ext.	20c.	Dec. 15	Nov. 30
Sterling Products, Inc.	.....	Q.	95c.	Dec. 1	Nov. 16
Sterling Products, Inc.	.....	Spl.	40c.	Dec. 1	Nov. 16
Sunshine Mining Co.	.....	Q.	75c.	Dec. 15	Nov. 30
Texas Gulf Sulphur Co.	Com.	Q.	50c.	Dec. 15	Dec. 1
Texas Gulf Sulphur Co.	Com.	Ext.	50c.	Dec. 15	Dec. 1
Tilden Co.	.....	..	$3.00	.....	.....
United Carbon Co.	Com.	Q.	$1.00	Dec. 15	Dec. 1
United Dyewood Corp.	Com.	..	25c.	Jan. 3	Dec. 10
United States Graphite Co.	Com.	Q.	50c.	Dec. 8	Nov. 24
Victor Oil Co.	.....	Spl.	10c.	Nov. 23	Nov. 19
Walgreen Co.	Pfd.	Q.	$1.12½	Dec. 15	Nov. 26

Corporation Earnings Recently Reported

	Period.	1937 Net income.	1937 Per share.	1936 Net income.	1936 Per share.
Abbott Laboratories, Inc.	9 mos.	$1,327,580	$2.07	.....	...
Allied Products Corp.	9 mos.	257,110	2.30	.....	...
Andes Copper Mining Co.	9 mos.	3,797,257	1.06	$532,518	.15
Buffalo-Ankerite Gold Mines, Ltd.	9 mos.	655,768	.93	.....	...
Butte Copper & Zinc Co.	9 mos.	93,985	.16	12,057	.02
California Ink Co.	Yr. 9-30	356,703	3.69	392,308	4.06
Coca-Cola Bottling Co. (Chicago)	Yr. 6-30	263,534	.63	.....	...
Continental Diamond Fibre Co.	9 mos.	377,504	.83	398,971	.87

Ben Landau, formerly president of the Baltimore Paint Salesmen's Club, has been chosen first regional vice-president of the Eastern district of the National Association of Paint Salesmen's Clubs.

Import Storage Period Limited by U.S.M.C.

WASHINGTON, Nov. 20, 1937.

The United States Maritime Commission has issued a report in docket No. 221, "Storage of Import Property at North Atlantic Ports," condemning respondent carriers' practice of allowing excessive free storage of import property at the port of New York. Respondents were ordered to cease and desist, on or before January 21, 1938, from allowing more than ten days' free time, exclusive of Sundays and legal holidays, on import property at the port of New York.

The practice of granting excessive free storage was found to cause congestion on the piers, to incur extra costs which constitute an unreasonable burden on respondents' transportation revenue, to result in inequality of service as between different shippers, opening the door to unlawful discriminations and abuses, and to be a service outside of the generally recognized transportation service that respondents are obligated to perform. It is stated that the fixing of a ten-day period would not place New York at a disadvantage with competing ports, and that the contention that a few commodities required more time was based primarily on merchandising problems and commercial convenience and not on transportation necessity. Carriers who have entered the trade since the institution of the proceeding and whose operations come within the scope thereof, were admonished to conform their practices to the principles announced in the report.

Respondents' practices in connection with the granting of free time at Boston, Philadelphia, Baltimore, and Norfolk were not found to be unlawful.

Fertilizer Materials

Sulphur and Pyrites

Continued from page 53)

litt[illegible] changed in price. Tankage is slow and in a dull spot. Bone materials are marking time, with a little easiness indicated here and there.

BLOOD.—Principal grade, $3.10 to $3.15 per unit of ammonia.

TANKAGE.—High grade, ground, $2.75 to $2.90 and 10c.; low grade, $16 to $18; liquid stick, $2.50 to $2.60; hoof meal, $3.25 to $3.30.

BONE MATERIALS.—Ground, steamed bone, 1¼ and 60 percent, $18 to $20; 3 and 50 percent, $20 to $22; 4½ and 50 percent, $26 to $30; grinding hoofs, pigs' toes and waste horn materials, $37.50 to $40, mostly nominal; junk and hotel kitchen bones, $18 to $20; cattle jaws, skulls and knuckles, $24 to $26; pork cracklings, soft pressed, $40 to $45; beef cracklings, soft pressed, $30 to $35; hard pressed cracklings, per unit of protein, 57½c. to 60c.

San Francisco, Nov. 23.—Conditions throughout the crude fertilizer market were for the large part quiet last week, some shipments of previously contracted materials finding their way into the general picture, but new buying was something which was mostly absent in the trade. Rains were giving the situation a little impetus from a background standpoint and the general poor out-turn of California sardines in the fishing waters was strengthening fish meal. Tankage and blood were for the most part unchanged, as was bone meal. Chemical products are mostly going unnoticed and there is a general lack of resale activity, contractors of materials holding on to their supplies in anticipation of a good season. This year is said to be one of the best fertilizer years California has had.

Ruling prices are:—

NITRATE OF SODA.—100-pound bags, $29 per ton; 200-pound bags, $28.30 per ton; bulk lots, $27 per ton, all ex vessel San Francisco/Oakland.

SULPHATE OF AMMONIA.—Sellers of Pacific Coast and Canadian production have withdrawn from the market.

AMMONIA PHOSPHATE.—Sellers have withdrawn from the market.

SUPERPHOSPHATE.—Domestic, 75c. to 80c. per unit in bulk, f.o.b. producer's plant, San Francisco Bay; bags, 80c. to 85c. per unit. Foreign material nominal.

FISH MEAL.—California sardine meal is quoted for delivery from production out of current season at $36.50 per ton, f.o.b. cars, San Francisco/Monterey, and $38.50 per ton, f.o.b. cars, production point, Southern California.

TANKAGE.—Domestic packing house tankage, ground, fertilizer grade, quoted at $3 and 10c. per unit-ton, f.o.b. cars, Los Angeles. Lower grades, unground, quoted at $2.80 and 10c. Dry rendered, ground, quoted at 65c. per unit of protein, f.o.b. cars, San Francisco. Unground, dry rendered, quoted at 55c.

BONE MEAL.—Domestic and imported steamed bone meal, quoted in range, according to seller and quality, at $25 to $32 per ton, delivered Pacific Coast ports.

BLOOD MEAL.—Domestic, $2.85 per unit, f.o.b. cars, Los Angeles.

Shipping Information

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Imports at U.S. Ports

New York Imports

ACID, LACTIC—1 cs, Seven Seas Mercantile Corp, Scanstates, Copenhagen
PHOSPHORIC—1 cs, Pfaltz & Bauer, Wasgenwald, Hamburg
ADEPS LANAE—47 bbls, C Tennant Sons & Co, Samaria, Liverpool
AGAR AGAR—35 bls, Consumers Import Co, Eidsvold, Kobe
20 bls, T M Duche & Sons, Naruto, Kobe
10 bls, Consumers Import Co, Awobasan, Kobe
5 bls, Peek & Velsor, Awobasan, Kobe
5 bls, Wood & Selick, Awobasan, Kobe
65 bls, Mitsui & Co, Awobasan, Kobe
ALBUMEN, EGG, HEN—60 cs, Naruto, Tientsin
ALCOHOL, DENAT — 790 dms, A Mersch, Manuela, San Juan
SULPHONATED—5 bbls, E I du Pont de Nemours Co, Deutschland, Bremen
ALMOND MEAL—5 kgs, Ungerer & Co, American Banker, London
ALTHEA ROOT—20 bls, S B Penick & Co, Wasgenwald, Hamburg
ALUMINUM LEAF—64 cs, Globe Shipping Co, Deutschland, Hamburg
10 cs, Hensel, Bruckmann & Lorbacher, Deutschland, Hamburg
6 cs, Pennland, Antwerp
AMMONIA, CARBONATE—12 dms, American British Chem Supplies, Caledonia, Glasgow
ANISE, STAR—100 bgs, Naruto, Hongkong
ANNATTO SEED — 80 bgs, Barclay Bank, Tolca, Kingston
ARCHIL LIQUID—2 cks, C H Reisig, Samaria, Liverpool
ARROWROOT — 10 bbls, J P Smith & Co, American Banker, London
ARTIST'S MATERIAL—3 cs, Winsor & Newton, American Banker, London
ASBESTOS—14,591 bgs, Chase National Bank, Turksil, Leningrad
534 bgs, Davies Turner & Co, Samaria, Liverpool
ASPHALT—350 bgs, A V Berner & Co, Seatrain Havana, Havana
BABASSU KERNELS — 2,000 bgs, General Foods Corp, Clement, Para
8,330 bgs, General Foods Corp, Clement, Maranham
BAUXITE ORE—100 cks, C J Osborn & Co, Caledonia, Glasgow
BELLADONNA ROOT — 106 bgs, 10,208 lbs, Deutschland, Hamburg
200 bls, Amtorg Trading Corp, Turksil, Leningrad
BITUMEN—30 dms, 11,250 lbs, Shell Union Oil Corp, Deutschland, Hamburg
BLUE, ULTRAMARINE — 4 cks, Standard Ultramarine Co, Damaria, Liverpool
BONES—1 car, Geck Trading Corp, Seatrain Havana, Havana
BONE MEAL—551 bgs, 55,495 lbs, Deutschland, Hamburg
1,327 bgs, National City Bank, Norderney, Rosario
BORON FLUORIDE—15 cyls, 3,731 lbs, Standard Oil Co of N J, Black Gull, Rotterdam
BRISTLES—2 cs, Deutschland, Hamburg
10 cs, H Rosenhirsch Co, Eidsvold, Kobe
16 cs, F H Cone & Co, Eidsvold, Kobe
24 cs, Irving Trust Co, Naruto, Dairen
55 cs, Royal Bank of Canada, Naruto, Dairen
15 cs, Melchers, Inc, Naruto, Harbin
67 cs, F W Von Stade, Naruto, Mukden
55 cs, National City Bank, Naruto, Mukden
110 cs, Corn Exchange Bank, Naruto, Mukden
50 cs, Naruto, Yingkow
10 cs, Naruto, Tientsin
103 cs, F W Van Stade, Turksil, Leningrad
16 cs, Bank of London South America, American Banker, London
9 cs, American Banker, London
15 cs, Chestnut Cooper & Co, Berengaria, Southampton
19 cs, S Hirshenhorn & Son, Hokkai, Mukden
66 cs, H Rosenhirsch Co, Hokkai, Mukden
66 cs, S Hirshenhorn & Son, Hokkai, Tientsin
100 cs, N Wagman & Co, Hokkai, Tientsin
30 cs, H Rosenhirsch Co, Hokkai, Tientsin
25 cs, Public Natl Bank, Hokkai, Tientsin
66 cs, Bank of Manhattan, Hokkai, Tientsin
26 cs, Guaranty Trust Co, Hokkai, Tientsin
BRONZE POWDER—10 cs, 5,790 lbs, Deutschland, Hamburg
BUCKTHORN BARK—334 bls, Amtorg Trading Corp, Turksil, Leningrad
CADMIUM—320 cs, Berengaria, Southampton
CALCIUM, METALLIC—2 cs, Charles Hardy, Cyprus, Marseilles
TARTRATE — 736 bgs, Norderney, Buenos Aires
CAMPHOR, REFINED—275 cs, Mitsui & Co, Awobasan, Kobe
CANTHARIDES—7 cs, Amtorg Trading Corp, Turksil, Leningrad
CARAWAY SEED—100 bgs, 11,000 lbs, R L Friedler, Black Gull, Rotterdam
250 bgs, 27,500 lbs, C M Van Sillevoldt, Black Gull, Rotterdam
CASHEW SHELL LIQUID—130 bbls, President Garfield, Calicut
112 dms, President Garfield, Mangalore
CASSIA, VERA—528 bls, J F Frank, Foylebank, Batavia
203 bls, Penrith Castle, Tjilatjap
CASTOR BEANS—4,159 bgs, Bunge North American Grain Co, Satartia, Ceara
3,702 bgs, National City Bank, Ayuruoca, Santos
12,053 bgs, Ayuruoca, Santos
4,211 bgs, Ayuruoca, Rio de Janeiro
3,400 bgs, Baker Castor Oil Co, Ayuruoca, Bahia
2,300 bgs, Ayuruoca, Bahia
1,700 bgs, Spencer Kellogg & Sons, Clement, Bahia
1,680 bgs, Clement, Bahia
3,400 bgs, L Dreyfus & Co, Clement, Pernambuco
4,005 bgs, Clement, Ceara
1,623 bgs, Clement, Camocim
CELERY SEED—117 bgs, President Garfield, Bombay
CHALK, NEUBERG—188 bgs, 33,088 lbs, Deutschland, Bremen
CHAMOIS—1 cs, Rohner, Gerrig & Co, Berengaria, Southampton
CHAMOMILE FLOWERS—25 cs, 7,205 lbs, Deutschland, Hamburg
CHEMICALS—1,016 bgs, 224,859 lbs, Advance Solvents & Chemical Co, Deutschland, Hamburg
200 bgs, 11,440 lbs, American Cyanamid & Chemical Co, Deutschland, Hamburg
200 bgs, 33,000 lbs, Innis, Speiden & Co, Deutschland, Hamburg
CHEMICALS—50 bbls, 6,215 lbs, American Cyanamid & Chemical Co, Deutschland, Hamburg
5 cks, 2,398 lbs, Jungmann & Co, Deutschland, Hamburg
8 cks, 630 bgs, 240 crbys, 24 cs, Deutschland, Hamburg
4 cs, Akatos, Inc, Deutschland, Hamburg
13 cs, Schimmel & Co, Deutschland, Hamburg
4 cs, Sandoz Chemical Works, Deutschland, Hamburg
1 cs, Alloudon S A, Deutschland, Hamburg
9 cks, W R Warner & Co, Deutschland, Hamburg
10 cs, 2,578 lbs, American Cyanamid & Cremical Co, Deutschland, Hamburg
5 pkgs, Eimer & Amend, Deutschland, Hamburg
2 cs, Phoenix Shipping Co, Deutschland, Hamburg
3 cks, Globe Shipping Co, Deutschland, Bremen
250 bgs, 50 kegs, 4 cks, 3 dms, 5 bbls, 3 cs, Deutschland, Bremen
25 dms, 14,685 lbs, Industrial Sales Corp, Black Gull, Antwerp
224 cks, 106,444 lbs, Black Gull, Antwerp
549 bgs, 120,780 lbs, Black Gull, Rotterdam
40 cks, 23,564 lbs, American Cyanamid & Chemical Co, Black Gull, Rotterdam
20 cks, 2,442 lbs, Philip Bauer Co, Black Gull, Rotterdam
5 dms, 1 cs, W F Eissing, Black Gull, Rotterdam
400 kegs, Mitsubishi Shoji Kaisha, Naruto, Moji
40 dms, Innis, Speiden & Co, Emile Francqui, Antwerp
30 dms, African Metals Corp, Emile Francqui, Antwerp
34 dms, 22 bbls, Deutschland, Hamburg
70 dms, 9 cs, Senefelder Co, Wasgenwald, Hamburg
227 cs, Wasgenwald, Hamburg
2 cs, Hoffman La Roche, Normandie, Havre
9 cs, Burroughs, Wellcome & Co, American Banker, London
1 cs, Mallinckrodt Chem Works, American Banker, London
200 dms, 225 cks, 554 bgs, Advance Solvents & Chem Co, Pennland, Antwerp
1,370 bgs, W H Muller & Co, Pennland, Antwerp
8 cyl, Sandoz Chem Works, Pennland, Antwerp
105 bbls, 10 bgs, Philipp Bros, Pennland, Antwerp
203 kegs, H H Rosenthal Co, Hokkai, Osaka
TEXTILE—3 cs, Pfaltz & Bauer, Wasgenwald, Hamburg
CHINA CLAY — 25 cks, E Fougera & Co, American Banker, London
CLAY, BLUE—30 tons, Moore & Munger, Montreal, City of Bristol
COALTAR INTERMEDIATES—6 dms, Sandoz Chem Works, Deutschland, Hamburg
11 cs, 8 dms, General Dyestuff Corp, Deutschland, Hamburg
7 cks, General Dyestuff Corp, Deutschland, Bremen
PRODUCT—2 cs, Allondon S A, Deutschland, Hamburg
COBALT OXIDE—76 cs, Pennland, Antwerp
SULPHATE—50 cs, Pennland, Antwerp
COCA LEAVES—79 bls, Maywood Chem Works,, Santa Rita, Salaverry
COCOA BEANS—1,000 bgs, Cristobal, S P Ports
700 bgs, Balfour, Guthrie & Co, West Kebar, Koko
400 bgs, Machado & Co, Carabobo, La Guaira
1,050 bs, Veragua, Cristobal
1,000 bgs, Fruit Dispatch Co, Veragua, Havana
500 bgs, W R Grace & Co, Santa Rita, Guayaquil
500 bgs, Santa Rita, Guayaquil
875 bgs, Bank of London, South America, Ayuruoca, Victoria
1,200 bgs, Nieschlag & Co, Ayuruoca, Bahia
8,000 bgs, J Henry Schroeder Banking Corp, Ayuruoca, Bahia
3,000 bgs, M Galodetz, Ayuruoca, Bahia
1,500 bgs, J Aron & Co, Ayuruoca, Bahia
23,439 bgs, Ayuruoca, Bahia
2,000 bgs, Balfour, Guthrie & Co, Clement, Bahia
500 bgs, Clement, Bahia
300 bgs, Curacao Trading Co, San Juan, San Pedro
250 bgs, Gillespie & Co, San Juan, La Romana
300 bgs, Western World, Port Spain
COCONUTS — 42 bgs, 4,200 lbs, Di Cristina, Manuela, Mayaguez
39 bgs, 3,900 lbs, J Simon, Mañuela, Mayaguez
15 bgs, 1,500 lbs, P R Fruit Exchange, Manuela, Ponce
250 bgs, 25,000 lbs, I L Toledano Corp, Manuela, Ponce
3 bgs, 300 lbs, J Simon, Manuela, San Juan
448 bgs, 44,800 lbs, General Foods Corp, Manuela, San Juan
520 bgs, 52,000 lbs, I L Toledano Corp, Cristobal, Crisfobal
250 bgs, 25,000 lbs, Standard Fruit & S S Co, Atlantida, La Ceiba
1,169 bgs, 116,900 lbs, Universal Import & Export Co, Colombia, Kingston
293 bgs, 29,300 lbs, J A Manton, Colombia, Kingston
363 bgs, 36,300 lbs, E J Taub, Colombia, Kingston
820 bgs, 82,000 lbs, I L Toledano Corp, Colombia, Kingston
1,686 bgs, 168,600 lbs, General Food Corp, Colombia, Kingston
300 bgs, 30,000 lbs, Universal Import & Export Co, Tolos, Kingston
20 bgs, 2,000 lbs, R Chimelis, Borinquen, Trujillo
192 bgs, 19,200 lbs, P R Fruit Exchange, Borinquen, San Juan
50 bgs, 5,000 lbs, Universal Import & Export Co, Borinquen, San Juan
102 bgs, 10,200 lbs, Simon & French, Borinquen, San Juan
COLORS, ARTIST'S — 5 cs, Artists Brush & Color Co, American Banker, London
CADMIUM — 3 dms, Hensel, Bruckmann & Lorbacher, Deutschland, Hamburg
DRY—5 cs, C Happel, Deutschland, Hamburg
2 dms, Hensel, Bruckmann & Lorbacher, Deutschland, Hamburg
4 cks, American Banker, London
EARTH—40 cks, 25,680 lbs, Calco Chem Co, Deutschland, Bremen
49 cks, Reichard Coulston, Wasgenwald, Hamburg
COLUMBITE ORE — 2,240 bgs, W H Sneath, West Kebar, Port Harcourt
COPAIBA BALSAM—89 cs, Clement, Para
COPPER, BICHROMATE — 1 cs, Pfaltz & Bauer, Wasgenwald, Hamburg
CORIANDER SEED — 300 bgs, Cypria, Marseilles
50 bgs, Greene Trading Co, American Banker, London
CORK—67 bls, Armstrong Cork Co, President Garfield, Marseilles
69 bls, Cork Import Co, President Garfield, Marseilles
15 bgs, L Mundet & Sons, Cypria, Lisbon
WOOD—215 bls, Wicander & Co, Cypria, Lisbon
113 bls, L Mundet & Sons, Cypria, Lisbon
210 bls, Pablo Calvet & Co, Cypria, Lisbon
956 bls, Cypria, Lisbon
1,280 bls, Brown Bros, Harriman Co, Cypria, Casablanca
CUBEBS—32 bgs, President Garfield, Singapore
DANDELION ROOT—11 bls, 3,996 lbs, McKesson & Robbins, Wasgenwald, Hamburg
DERRISROOT—7 bls, Boswell & Co, President Garfield, Cebu
DRAGON'S BLOOD—27 cs, Bank of Manhattan, Penrith Castle, Singapore
DRUGS, CRUDE—10 cs, 1,322 lbs, Deutschland, Hamburg
30 cs, Niebrugge & Day, Scanstates, Gdynia
2 crts, W R Warner & Co, American Banker, London
1 cs, Lo Curto & Funk, American Banker, London
DUTCH METAL—24 cs, 2,134 lbs, Black Diamond S S Corp, Black Gull, Antwerp
DYES, ALIZARIN—11 cks, General Dyestuff Corp, Deutschland, Bremen
ANILIN — 8 dms, Sandoz Chem Works, Deutschland, Hamburg
1 cs, 30 cks, General Dyestuff Corp, Deutschland, Bremen
27 pkgs, Ciba Co, Normandie, Havre
18 pkgs, Carbic Color & Chem Co, Normandie, Havre
DYESTUFF—90 dms, Nora Chem Corp, Eidsvold, Kobe
8 dms, Hokkai, Osaka
ERGOT—100 cs, S B Penick & Co, Black Gull, Antwerp
FENNEL SEED—115 bgs, Cypria, Marseilles
FERTILIZER, NITRATE PHOSPHATE—2,000 bgs, Synthetic Nitrogen Prod Corp, Pennland, Antwerp
FILTER, MASS—150 bls, 17,160 lbs, A W Fenton, Deutschland, Bremen
PAPER—13 cs, H Reeve, Angel & Co, American Banker, London
SAND — 3 bgs, 248 lbs, Permutit Corp, Deutschland, Hamburg
FLAXSEED—5,080,000 kilos, 203,200 bus, Archer Daniels Midland Co, Cliffwood, Rosario
475 tons, 19,000 bus, Bunge North American Grain Co, Western World, Buenos Aires
428 bgs, 941 bus, Bunge North American Grain Co, Western World, Buenos Aires
FLEASEED—334 bgs, S B Penick & Co, President Garfield, Bombay
312 bgs, T M Duche & Sons, President Garfield, Bombay
200 bgs, President Garfield, Bombay
50 bgs, President Garfield, Marseilles
FLOWER WATER—15 demijs, Roure Dupont, President Garfield, Marseilles
4 crates, British American Distillers, President Garfield, Marseilles
FLOWERS, MEDICINAL — 5 bgs, Amtorg Trading Corp, Turksil, Leningrad
FULLER'S EARTH—850 bgs, L A Salomon & Bros, Montreal City, Bristol
GAMBIER—260 cs, Chase Nat'l Bank, City of Evansville, Singapore
GELATIN—95 cs, Dingelstedt & Co, Deutschland, Bremen
POWDERED—76 bgs, Pennland, Antwerp
1 cs, International Selling Corp, Pennland, Antwerp
GENTIAN ROOT—400 bgs, Balfour, Guthrie & Co, West Kebar, Sierra Leone
GLASS, PLATE—42 cs, Globe Shipping Co, Deutschland, Hamburg
WINDOW — 45 cs, W J Byrnes & Co, Deutschland, Hamburg
25 cs, Schrenk & Co, Black Gull, Antwerp
26 cs, Banque Belge Pour l'Etranger, Black Gull, Antwerp
48 cs, Max Balik, Black Gull, Antwerp
52 cs, L Solomon & Son, Emile Francqui, Black Gull, Antwerp
450 cs, Emile Francqui, Antwerp
GLUE—100 bgs, 11,000 lbs, National Adhesive Corp, Deutschland, Hamburg
30 bgs, G H Hemmel, Samaria, Liverpool
POWDERED—25 bls, 25 cks, 1 cs, Rex & Reynolds, President Garfield, Marseilles
GLYCERIN—4 cs, American Banker, London
GRAPHITE—700 bgs, Mitsui & Co, Eidsvold, Kobe
700 bgs, Naruto, Moji
250 bgs, J F Starkey & Co, President Garfield, Colombo
1,167 bgs, Asbury Graphite Mills, President Garfield, Colombo
334 bgs, J Dixon Crucible Co, President Garfield, Colombo
700 bgs, J F Starkey & Co, Hokkai, Moji
GREASE, WOOL—54 dms, Hummel Chem Co, Samaria, Liverpool
GUM, CHICLE—232 bls, Chicle Development Co, Musa, Port Barrios
COPAL—191 bskts, Gillespie, Rogers, Pyatt Co, Kota Inten, Macassar
479 bskts, Stroock & Wittenburg Kota Inten, Macassar
1 bskt, Sino Java Handel, Kota Inten, Macassar
13 cs, 87 bskts, O G Innes Corp, Kota Inten, Macassar
1 cs, Kota Inten, Macassar
300 bgs, Gillespie, Rogers, Pyatt Co, Black Gull, Antwerp
300 bgs, Thurston & Braidich, Emile Francqui, Antwerp
40 bgs, W H Scheel, Emile Francqui, Antwerp
279 bskts, O G Innes Corp, Penrith Castle, Macassar
DAMMAR—100 cs, O G Innis Corp, Kota Inten, Batavia
64 bgs, 7 cs, Kota Inten, Macassar
100 cs, Stroock & Wittenburg, Kota Inten, Batavia
100 cs, Chase Natl Bank, Kota Inten, Batavia
100 cs, Gillespie, Rogers, Pyatt Co, Kota Inten, Batavia
225 cs, Kota Inten, Batavia
300 cs, Thurston & Braidich, Kota Inten, Batavia
200 cs, American Cyanamid & Chem Co, Kota Inten, Batavia
10 cs, Deutschland, Hamburg
490 bgs, Gillespie, Rogers, Pyatt Co, President Garfield, Singapore
210 bgs, American Cyanamid & Chem Co, President Garfield, Singapore
210 bgs, President Garfield, Singapore
70 bgs, O G Innes Corp, City of Evansville, Singapore
GUM DAMMAR—210 bgs, Gillespie, Rogers, Pyatt Co, Penrith Castle, Singapore
ELEMI—54 cs, France, Campbell & Darling, President Garfield, Manila
GAMBOGE—5 cs, Foylebank, Singapore
KARAYA—27 bgs, Orbis Product Corp, President Garfield, Bombay
334 bgs, Paul A Dunkel & Co, President Garfield, Bombay
400 bgs, Thurston & Braidich, President Garfield, Bombay
140 bgs, Frank Vliet & Co, President Garfield, Bombay
66 bgs, J W Masters & Co, President Garfield, Bombay
LOCUST BEAN—60 bgs, Samaria, Liverpool
10 bgs, Deutschland, Hamburg
PERILLA—36 bls, Chicle Development Co, Veragua, Cristobal
TRAGACANTH—246 bgs, Amtorg Trading Corp, Turksil, Leningrad
GYPSUM—760 bgs, 41,800 lbs, Stanley Doggett, Deutschland, Bremen
6,000 tons, U S Gypsum Co, Gypsum Prince, Windsor
HENBANE LEAVES—14 bls, 4,400 lbs, Wasgenwald, Hamburg
HERBS, MEDICINAL—20 bls, 2,706 lbs, S B Penick & Co, Black Gull, Antwerp
29 bls, 2,961 lbs, Peek & Velsor, Black Gull, Antwerp
45 bls, 7,480 lbs, Black Gull, Antwerp
5 bls, Pennland, Antwerp
HOPS—107 bls, 15 ballots, Bode & Voigt, Deutschland, Hamburg
5 bls, American Express Co, Deutschland, Hamburg
20 ballots, Deutschland, Hamburg
1 bl, American Shipping Co, Deutscrland, Hamburg
22 bls, O Seidenberg, Deutschland, Hamburg
30 bls, International Forwarding Co, Deutschland, Hamburg
20 bls, Globe Shipping Co, Deutschland, Hamburg
25 cs, S Steiner, Deutschland, Hamburg
44 bls, R F Downing & Co, Deutschland, Hamburg
5 bls, Heemsoth, Kerner Corp, Deutschland, Hamburg
50 bls, S Steiner, Wasgenwald, Hamburg
10 bls, Pennland, Antwerp
50 bls, Atlantic Forwarding Co, Penniand, Antwerp
HOREHOUND HERBS—17 bgs, J L Hopkins & Co, President Garfield, Marseilles
ILMENITE SAND—500 bgs, C Tennant Sons & Co, American Banker, London
IPECAC ROOT—2 cs, N Brandon & Co, Veragua, Porto Limon
15 bgs, Veragua, Porto Limon
IRON CHLORIDE—150 cks, 65,670 lbs, Philipp Bros, Deutschland, Hamburg
OXIDE—115 bbls, C K Williams & Co, Cypria, Gibraltar
575 bbls, Robinson, Wagner Co, Cypria, Gibraltar
4 cks, 5 kegs, J H Rhodes & Co, Samaria, Liverpool
4 cks, Montag & Cassidy, Samaria, Liverpool
ISINGLASS—14 cs, C H Reisig, Samaria, Liverpool
JABORANDI LEAVES—90 bls, Clement, Para
KOLA NUTS—49 bgs, Peek & Velsor, Atlantida, Kingston
LAVENDER FLOWERS—4 bgs, Yardley & Co, American Banker, London
LEAD PEROXIDE—4 cks, Pfaltz & Bauer, Wasgenwald, Hamburg
LEAVES, MEDICINAL — 35 bls, President Garfield, Marseilles
LICORICE ROOT—117 bgs, Amtorg Trading Corp, Turksil, Leningrad
LINALYL ACETATE—3 dms, Dodge & Olcott Co, Naruto, Kobe
3 dms, Geo Lueders & Co, Naruto, Kobe
LIVER MEAL—560 bgs, Norderney, Buenos Aires
LOOFAH—45 bls, Schroeder & Tremayne, Awobasan, Kobe
MACE—42 cs, Catz American Co, Kota Inten, Macassar
46 cs, B H Old & Co, Penrith Castle, Macassar
16 cs, J F Frank, Penrith Castle, Padang
MAGNESIA, CARBONATE — 55 cs, Schofield-Donald Co, Samaria, Liverpool
MANGANESE ORE — 1,000 pockets, Lavino, Ltd, San Juan, Ponce
MANGROVE BARK EXTRACT — 3,138 bgs, Philippine Cutch Corp, President Garfield, Zamboanga
MATCHES, SAFETY — 6,310 bgs, Amtorg Trading Corp, Tsirksil, Leningrad
MEDICINAL PREPS — 14 cs, American Banker, London
MENTHOL — 25 cs, National City Bank, Naruto, Kobe
10 cs, C Fischbeck Co, Hokkai, Kobe
MICA—29 cs, First National Bank, Western World, Rio de Janeiro
BLOCK—56 cs, Bank of Montreal, American Banker, London
MINERALS—4,715 bgs, Bank of London South America, Norderney, Buenos Aires
NAPHTHA—85,000 bbls, Standard Oil Co of N J, Cerro Azul, Aruba
NAPHTHALENE — 295 bgs, F B Bertrand, Montreal City, Bristol
66 bgs, F B Bertrand, McKeesport, Manchester
1,000 bgs, 222,200 lbs, Black Gull, Antwerp
695 bgs, 82,370 lbs, F B Bertrand, Black Gull, Antwerp
603 bgs, Turksil, Leningrad
NUTGALLS—226 bgs, 60,161 lbs, Carlton, Alexandretta
NUTMEGS — 261 pkgs, J F Frank, Foylebank, Batavia
85 bgs, Catz American Co, Penrith Castle, Macassar
243 bgs, B H Old & Co, Penrith Castle, Macassar
70 bgs, J F Frank, Penrith Castle, Padang
NUX VOMICA—250 bgs, Mitsui & Co, Hokkai, Kobe
OCHER—37 cks, Robinson-Wagner Co, President Garfield, Marseilles
25 cks, Whittaker, Clark & Daniels, President Garfield, Marseilles
85 cks, Wishnick-Tumpeer, Cypria, Marseilles
90 bgs, 6 dms, Reichard Coulston, Samaria, Liverpool
OIL, ALMOND—6 cks, Dodge & Olcott Co, President Garfield, Marseilles
10 cs, Fritzsche Bros, President Garfield, Marseilles
15 cs, President Garfield, Marseilles
1 cs, Ungerer & Co, American Banker, London
BAY—5 cs, J H Rodriguez, Borinquen, San Juan
BERGAMOT—5 cs, Yardley & Co, American Banker, London
CAJEPUT—2 dms, Penrith Castle, Macassar

OIL, CAMPHOR—12 dms, Bank of Manhattan, Naruto, Keelung
25 dms, Irving Trust Co, Naruto, Kobe
10 dms, Naruto, Keelung
CANANGA—1 dm, Ungerer & Co, Kota Inten, Batavia
1 dm, Ungerer & Co, City of Evansville, Batavia
CINNAMON LEAF—4 dms, Rutheford National Bank, President Garfield, Colombo
5 dms, American Banker, London
CITRONELLA—10 dms, H A Sothern, Musa, Porto Barrios
11 dms, President Garfield, Colombo
8 dms, City of Evansville, Batavia
40 dms, Foylebank, Batavia
COCONUT — 530 tons, Philippine Refining Corp, Foylebank, Manila
1,080 tons, Philippine Refining Corp, Awobasam, Manila
CORIANDER—2 cns, 239 lbs, Fritzsche Bros, Deutschland, Hamburg
3 cns, 310 lbs, Deutschland, Hamburg
CORN—250 dms, Corn Product Refining Co, Deutschland, Hamburg
174 dms, Montreal City, Bristol
100 dms, N C Littauer, Black Gull, Antwerp
100 dms, Black Gull, Antwerp
210 dms, Corn Product Refining Co, Caledonia, Glasgow
CROTON — 3 cs, 462 lbs, Fritzsche Bros, Deutschland, Hamburg
ESSENTIAL—1 cs, Conte di Savoia, Genoa
3 pkgs, Deutschland, Hamburg
48 pkgs, President Garfield, Marseilles
64 pkgs, Normandie, Havre
6 cs, Yardley & Co, American Banker, London
6 cs, Berengaria, Cherbourg
EUCALYPTUS—5 dms, W J Bush & Co, Naruto, Kobe
5 dms, Magnus, Mabee & Reynard, Naruto, Kobe
FISH—109 dms, S Emy, Eidsvold, Yokohama
30 dms, 5 cs, S Emy, Awobasan, Yokohama
FUEL—110,000 bbls, Standard Oil Co of N J, F J Wolfe, Aruba
76,000 bbls, Standard Oil Corp of N J, Clio, Aruba
GERANIUM—6 cks, J Manheimer, President Garfield, Marseilles
LAVENDER—4 dms, Yardley & Co, American Banker, London
1 dm, American Banker, London
LEMON—23 cs, Wells, Fargo & Co Express, Siboney, Vera Cruz
LIME—1 dm, Yardley & Co, American Banker, London
LUBRICATING—100 dms, Emile Francqui, Antwerp
100 dms, Pennland, Antwerp
MINERAL—125 dms, 58,049 lbs, Heemsoth-Kerner Corp, Deutschland, Hamburg
30 dms, Deutschland, Hamburg
OITICICA—205 dms, Chase National Bank, Clement, Ceara
73 dms, Clement, Ceara
OLIVE—175 cs, Conte di Savoia, Genoa
90 dms, Atlantic & Pacific Tea Co, President Garfield, Genoa
75 cs, President Garfield, Genoa
25 cs, President Garfield, Marseilles
25 cks, Magnus, Mabee & Raynard, Cypria, Nice
20 cks, 10 cs, Cypria, Nice
ORANGE—1 cs, Gillespie & Co, Colombia, Kingston
3 bbls, Cypria, Marseilles
7 dms, American Banker, London
10 cs, Teloa, Kingston
PALM — 1,305 tons, Van Leenween, Boomkamp & Co, Kota Inten, Belawan
990,865 kilos, Balfour, Guthrie & Co, West Kebar, Port Harcourt
620 tons, Van Leenween, Boomkamp & Co, City of Evansville, Belawan
134 dms, Balfour, Guthrie & Co, Wasgenwald, Hamburg
Quantity, Banque Belge Pour l'Etranger, Penrith Castle, Belawan
PERILLA — Quantity, Mitsubishi Shoji Kaisha, Naruto, Tientsin
424,370 lbs, Mitsubishi Shoji Kaisha, Hokkai, Osaka
PINENEEDLE—4 dms, White Sea & Baltic Co, American Banker, London
RAPESEED—360 tons, Naruto, Kobe
SOYBEAN—2 bbls, 963 lbs, J W Conway, Deutschland, Hamburg
1 dm, Wasgenwald, Hamburg
SPERM—40 dms, Caledonia, Glasgow
2 tins, H J Baker & Bros, Caledonia, Glasgow
TEASEED—28 dms, Balfour, Guthrie & Co, Eidsvold, Shanghai
ORANGE PEEL—140 bls, President Garfield, Marseilles
PAPRIKA—100 bgs, W L Newberry, Deutschland, Hamburg
10 bgs, Paprika Weiss, Deutschland, Hamburg
100 bgs, Deutschland, Hamburg
PARAFFIN—1,200 bgs, Asiatic Petroleum Corp, American Banker, London
PEATMOSS—3,010 bls, Wasgenwald, Hamburg
4,746 bls, Turksil, Leningrad
PEPPER, BLACK—1,277 bgs, Catz American Co, Eidsvold, Kobe
225 bgs, City of Evansville, Batavia
486 bgs, Otto Gerdau, Penrith Castle, Batavia
500 bgs, Irving Trust Co, Penrith Castle, Oosthaven
500 bgs, Guaranty Trust Co, Penrith Castle, Oosthaven
WHITE—916 bgs, Kota Inten, Batoe, Roesa
243 bgs, Kota Inten, Pangkong, Pinang
243 bgs, Kota Inten, Pangkong, Blinjoe
168 bgs, Kota Inten, Giboes
84 bgs, Kota Inten, Koba
747 bgs, Kota Inten, Tandjong, Priok
162 bgs, City of Evansville, Batavia
140 bgs, City of Evansville, Singapore
250 bgs, National City Bank, Foylebank, Oosthaven
PETROLEUM, CRUDE—65,950 bbls, Cities Service Asphalt Prod Co, Cymbeline, Tampico
47,573 bbls, Cities Service Asphalt Prod Co, Ranvik, Curacao
REFINED—200 dms, R F Cruikshank, Scanstates, Copenhagen
PHOSPHORUS AMORPHORUS—55 cs, Amtorg Trading Corp, Turksel, Leningrad
PITCH STEARIN—37 bbls, Cypria, Marseilles
PODS—10 bls, American Banker, London

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POPPYSEED—400 bgs, 44,000 lbs, M Wilsenburg, Scanstates, Gdynia
550 bgs, 60,500 lbs, Levy & Levis Co, Scanstates, Gdynia
100 bgs, 11,000 lbs, A G Dunn, Scanstates, Gdynia
100 bgs, 11,000 lbs, Jaburg Bros, Scanstates, Gdynia
100 bgs, 11,000 lbs, Reiss & Bernhart, Scanstates, Gdynia
100 bgs, 11,000 lbs, Julius Loewith, Scanstates, Gdynia
200 bgs, 22,000 lbs, C M Van Sellevolat, Scanstates, Gdynia
150 bgs, 16,500 lbs, Jewett & Sherman, Scanstates, Gdynia
550 bgs, 60,500 lbs, C M Van Sellevolat, Black Gull, Rotterdam
POTASH MURATE—216,000 kilos, N V Potash Export My, Wasgenwald, Hamburg
2,400 bgs, N V Potash Export My, Wasgenwald, Hamburg
3 lots, N V Potash Export My, Wasgenwald, Hamburg
SULPHATE—70 bgs, N V Potash Export My, Wasgenwald, Hamburg
PYRETHRUM FLOWERS—625 bls, J Powell & Co, Eidsvold, Kobe
125 bls, Brown Bros, Harriman Co, Naruto, Otaru
125 bls, Sherwood Petroleum Co, Awobasam, Kobe
700 bls, Mitsui & Co, Awobasam, Kobe
QUEBRACHO EXTRACT—4,910 bgs, International Product Corp, Western World, Buenos Aires
QUICKSILVER—50 flasks, Chase National Bank, Siboney, Vera Cruz
RESIN—13 cs, Deutschland, Hamburg
27 cs, Clement, Para
ROOT, MEDICINAL—60 bls, L A Champon, President Garfield, Marseilles
ROSE LEAVES—10 bls, Cypria, Casablanca
SAGO FLOUR—360 bgs, Trust Co of North America, Foylebank, Singapore
36 bgs, Foylebank, Singapore
640 bgs, Penrith Castle, Singapore
SANTONIN—6 cs, 532 lbs, Amtorg Trading Corp, Turksil, Leningrad
SARDINE MEAL—2,000 bgs, Wessel, Duval & Co, Awobasan, Kobe
2,000 bgs, Mitsui & Co, Awobasan, Kobe
SEED, MEDICINAL — 86 bgs, 7 647 lbs, Deutschland, Hamburg
12 cs, American Banker, London
SENNA LEAVES—50 bls, President Garfield, Tuticorin
PODS—15 bls, President Garfield, Tuticorin
SILICA—200 bgs, L A Salomon & Bros, Samaria, Liverpool
SILICIOUS EARTH — 204 bgs, 33,528 lbs, Deutschland, Bremen
SOAP—38 cs, J E Bernard & Co, American Banker, London
3 cs, Titan Shipping Co, American Banker, London
2 cs, Yardley & Co, American Banker, London
BASE—45 cs, Yardley & Co, American Banker, London
SOFT—4 dms, A Gibbs & Co, Caledonia, Glasgow
STEARIN CHIPS—32 cs, Yardley & Co, American Banker, London
TOILET—11 cs, Chase National Bank, Deutschland, Hamburg
SODA, ACETATE—46 bbls, 13,776 lbs, American Cyanamid & Chem Co, Scanstates, Gdynia
ARSENATE—2 dms, 2 cs, Pfaltz & Bauer, Wasgenwald, Hamburg
CARBONATE, MONOHYDRATE — 120 dms, Titan Shipping Co, Samaria, Liverpool
HYDROSULPHITE—25 kgs, Philipp Bros, Samaria, Liverpool
SILICOFLUORIDE—80 bbls, 23,760 lbs, Innis, Speiden & Co, Deutschland, Hamburg
SOLVENT—250 dms, C P Chemical Solvents, Manuela, Ponce
250 dms, C P Chemical Solvents, San Juan, Ponce
SPONGES—6 bls, American Sponge & Chamois Co, Oriente, Havana
4 bls, J H Rhodes & Co, President Garfield, Manila
STARCH—25 cs, Atlantic Sales Corp, American Banker, London
SULPHUR—25 cks, Lo Curto & Funk, Samaria, Liverpool
TALC—500 bgs, Naruto, Yingkow
500 bgs, H H Rosenthal Co, Awobasan, Kobe
TANKAGE—452 bgs, H J Baker & Bros, Nordkap, Buenos Aires
1,004 bgs, Weaver & Huge, Nordkap, Buenos Aires
TAPIOCA FLAKE—332 bgs, Stein, Hall & Co, Kota Inten, Sourabaya
1,257 bgs, Stein, Hall & Co, City of Evansville, Sourabaya
FLOUR—500 bgs, National Adhesive Corp, Penrith Castle, Batavia
1,000 bgs, Stein, Hall & Co, Penrith Castle, Tjilatjap
250 bgs, Seligman & Co, Penrith Castle, Batavia
1,914 bgs, Stein, Hall & Co, Kota Inten, Sourabaya
250 bgs, National Adhesive Corp, Kota Inten, Batavia
6,944 bgs, Stein, Hall & Co, Kota Inten, Sourabaya
249 bgs, National Adhesive Corp, Kota Inten, Cheribon
2,132 bgs, Kota Inten, Cheribon
1,017 bgs, Stein, Hall & Co, City of Evansville, Sourabaya
10 bgs, Sino Java Handel, City of Evansville, Sourabaya
250 bgs, City of Evansville, Sourabaya
500 bgs, National Adhesive Corp, City of Evansville, Cheribon
301 bgs, Stein, Hall & Co, City of Evansville, Cheribon
500 bgs, H P Winter & Co, City of Evansville, Cheribon
504 bgs, Chase National Bank, City of Evansville, Cheribon
250 bgs, City of Evansville, Cheribon
250 bgs, Manufacturers' Trust Co, City of Evansville, Batavia
1,001 bgs, Stein, Hall & Co, City of Evansville, Batavia
250 bgs, City of Evansville, Batavia
984 bgs, Stein, Hall & Co, Foylebank, Cheribon
750 bgs, Chase National Bank, Foylebank, Cheribon
250 bgs, I R Boody & Co, Foylebank, Batavia
250 bgs, Central Hanover Bank, Foylebank, Batavia
768 bgs, Stein, Hall & Co, Foylebank, Batavia
310 bgs, Foylebank, Batavia
500 bgs, Philadelphia National Bank, Foylebank, Cheribon
552 bgs, Chase National Bank, Penrith Castle, Pasoeroen
1,103 bgs, Trust Co of N A, Penrith Castle, Cheribon
225 bgs, Penrith Castle, Cheribon
254 bgs, Central Hanover Bank, Penrith Castle, Batavia
MEAL—2,000 bgs, Kota Inten, Tegal
PEARL—224 bgs, City of Evansville, Batavia
SEED—272 bgs, Stein, Hall & Co, City of Evansville, Sourabaya
SIFTINGS—55 bgs, Penrith Castle, Batavia
TARTAR—350 bgs, Charles Pfizer & Co, Cypria, Marseilles
1,142 bgs, Standard Brands, Inc, Cypria, Marseilles
508 bgs, Charles Pfizer & Co, Cypria, Lisbon
TIMBO ROOT—310 cs, Clement, Para
TONKA BEANS—40 bbls, Irving Trust Co, Clement, Para
22 bbls, Clement, Para
TUNGSTEN ORE—1,000 bgs, Wah Chang Trading Corp, President Garfield, Hongkong
UMBER—681 bgs, J Lee Smith & Co, Carlton, Larnaca
2,618 bgs, 45 cs, Reichard, Coulston, Carlton, Larnaca
UREA—400 bgs, Synthetic Nitrogen Prod Corp, Pennland, Antwerp
VALONIA EXTRACT, POWD—281 bgs, Carlton, Izmir
TRILLO—1,469 bgs, Barkey Importing Co, Carlton, Izmir
VANADIUM—2,650 bgs, Vanadium Corp, Santa Rita, Callao
VANILLA BEANS—11 cs, Tradesmen Natl Bank, President Garfield, Marseilles
2 cs, Geo Lueders & Co, Normandie, Havre
WATER, MINERAL—900 cs, E & J Burke, Cypria, Marseilles
100 cs, Atlantic Forwarding Co, Wasgenwald, Hamburg
210 cs, D F Young, American Banker, London
875 cs, Pennland, Antwerp
WAX, BEES—3 bls, D Steengrafe, Manuela, Mayaguez
8 bdles, Manuela, Ponce
100 bgs, Cypria, Lisbon
9 bls, D Steengrafe, San Juan, Mayaguez
10 bgs, Schutte & Focke, San Juan, Barahona
7 bgs, Schutte & Focke, San Juan, Azua
3 bgs, Lenape Trading Co, San Juan, Azua
7 bgs, Mecke & Co, San Juan, Azua
22 seroons, Porcella, Vicini & Co, Siboney, Havana
4 bgs, Lenape Trading Co, Siboney, Havana
57 bgs, Siboney, Havana
8 bgs, Porcella, Vicini & Co, Borinquen, Trujillo
CARNAUBA — 56 bgs, W M Allison & Co, Satartia, Ceara
56 bgs, Strohmeyer & Arpe Co, Clement, Ceara
617 bgs, Smith & Nichols, Clement, Ceara
33 bgs, Lenape Trading Co, Clement, Ceara
56 bgs, Bank of London South America, Clement, Ceara
145 bgs, Innis, Speiden & Co, Clement, Ceara
56 bgs, American Cyanamid & Chem Co, Clement, Ceara
56 bgs, Bank of Manhattan, Clement, Ceara
280 bgs, Clement, Ceara
224 bgs, W M Allison & Co, Clement, Camocin
112 bgs, Strahl & Pitsch, Clement, Camocin
113 bgs, Innis, Speiden & Co, Clement, Camocin
476 bgs, Strohmeyer & Arpe Co, Clement, Para
438 bgs, American Cyanamid & Chem Co, Clement, Para
338 bgs, Innis, Speiden & Co, Clement, Para
122 bgs, Bank of London South America, Clement, Para
51 bgs, F B Ross & Co, Clement, Para
25 bgs, Clement, Para
MINERAL—10 bgs, General Dyestuff Corp, Deutschland, Hamburg
OZOKERITE—42 bgs, Heemsoth Kerner Corp, Deutschland, Hamburg
SPERMACETTI—100 cs, Strohmeyer & Arpe Co, Caledonia, Glasgow
VEGETABLE—30 bgs, A Hurst & Co, Caledonia, Glasgow
400 cs, Strohmeyer & Arpe Co, Awobasan, Kobe
400 cs, H Rosenthal Co, Hokkai, Osaka
WINE LEES — 120 bgs, Norderney, Buenos Aires
WOLFRAM ORE—1,100 bgs, Wah Chang Trading Corp, President Garfield, Hongkong
YEAST—145 bbls, Vulkan Yeast Co, Deutschland, Hamburg
109 bbls, Schenker & Co, Scanstates, Gdynia
BREWER'S—200 bgs, Vegex, Inc, Deutschland, Hamburg
300 bgs, Chase National Bank, Wasgenwald, Hamburg
ZINC, CHLORIDE—20 dms, 11,748 lbs, American Cyanamid & Chem Co, Black Gull, Antwerp
PHOSPHIDE—2 cs, Pfaltz & Bauer, Wasgenwald, Hamburg

New York Transit Imports

CALCIUM NITRATE—875 tons, Synthetic Nitrogen Product Corp, Tyrrifjord, Oslo, Cartaret
GELATIN—2 cs, Eastman Kodak Co, Deutschland, Bremen, Rochester
GLASS WINDOW—32 cs, Eastman Kodak Co, Black Gull, Antwerp, Rochester
MENTHOL—75 cs, McKesson & Robbins, Hokkai, Kobe, Bridgeport
PYRETHRUM FLOWERS—375 bls, McKesson & Robbins, Hokkai, Kobe, Bridgeport
RICE STARCH—8 bbls, Eastman Kodak Co, Deutschland, Bremen, Rochester
TANKAGE—2,000 bgs, Feed Prod Corp, Nordkap, Buenos Aires, Buffalo
WAX CARNAUBA—56 bgs, Chase Natl Bank, Clement, Ceara, Jacksonville
112 bgs, Chase Natl Bank, Clement, Ceara, Philadelphia
VEGETABLE—50 cs, McKesson & Robbins, Hokkai, Kobe, Bridgeport
WOOL PITCH—3 bbls, Universal Mfg Co, Samaria, Liverpool, Buffalo

Baltimore Imports

AMMONIA, SULPHATE—200 bgs, Spaarndam, Rotterdam
ANTIMONY OXIDE—250 bgs, Waukegan, Liverpool
ASBESTOS, CRUDE—1,000 bgs, West Isleta, Beira
BONEMEAL—500 bgs, West Imboden, Buenos Aires
CHEMICALS—100 cks, 165 bbls, Spaarndam, Rotterdam
125 cks, Advance Solvents & Chemical Co, Spaarndam, Rotterdam
590 bgs, City of Baltimore, Bremen
CHROME ORE — 522 tons, West Isleta, Lourenco Marques
2,788 tons, E J Lavino Co, West Isleta, Lourenco Marques
6,614 tons, Beldagny, Fethiye
3,495 tons, Challenger, Lourenco Marques
1,850 tons, Robin Hood, Beira
CLAY—200 cks, City of Baltimore, Bremen
200 bgs, City of Baltimore, Hamburg
159 cks, Spaarndam, Rotterdam
BLUE—71 cks, Spaarndam, Rotterdam
VALLENDAR—50 cks, Spaarndam, Rotterdam
CRYOLITE, SYN—276 bbls, Schodack, Havre
FERROMANGANESE—600 tons, Frank Samuel & Co, Tampa, Torsberg
FERTILIZER—227 bgs, City of Baltimore, Bremen
IRON, ORE—7,164 tons, Leo J Buck, Frances Massey, Narvik
12,000 tons, Bethlehem Steel Co, Cubore, Daiquiri
LIVERMEAL—1,000 bgs, H J Baker & Bro, West Imboden, Montevideo
MANGANESE ORE—2,200 tons, Ensley City, Calcutta
7,331 tons, Mae, Calcutta
8,350 tons, Bradglen, Poti
MINERAL WATER—140 cs, Schodack, Havre
325 cs, Spaarndam, Rotterdam
MOLASSES—1,346,720 gls, Cuba Distilling Co, Casimir, Santa Cruz del Sur
OIL, COCONUT—300 tons, Silverteak, Manila
CODLIVER—10 dms, City of Baltimore, Hamburg
FUEL—39,000 bbls, Standard Oil Co of N J, Marina, Aruba
PEATMOSS—2,310 bls, City of Baltimore, Bremen
1,310 bls, City of Baltimore, Hamburg
PETROLEUM, CRUDE—53,394 bbls, Standard Oil Co of N J, Marina, Las Piedras
68,113 bbls, Pan American Refining Corp, E J Bullock, Las Piedras
PYRETHRUM FLOWERS—125 bls, Yamazato, Kobe
PYRITES—4,151 tons, Baron Dechmont, Huelva
QUEBRACHO EXTRACT—7,385 bgs, West Imboden, Buenos Aires
15,062 bgs, Tannin Corp, West Imboden, Buenos Aires
6,480 bgs, International Product Corp, West Imboden, Buenos Aires
RED, EARTH—15 bgs, Spaarndam, Rotterdam
SARDINE MEAL—2,000 bgs, Sanyo, Kobe
SEAWEED, DRIED—10 bgs, Waukegan, Liverpool
SODA, SILICOFLUORIDE—80 bbls, City of Baltimore, Hamburg
TALC—100 bgs, Schodack, Bordeaux
TANKAGE—640 bgs, H J Baker & Bro, West Imboden, Montevideo
1,140 bgs, West Imboden, Montevideo
8,112 bgs, West Imboden, Buenos Aires
WATTLE BARK—1,474 bgs, West Isleta, Mombasa
1,810 bgs, Tannin Corp, West Isleta, Durban
275 bls, Tannin Corp, Challenger, Durban

Boston Imports

BARYTES—600 bgs, Stanley Doggett, Clara, Venice
400 bgs, Lippe, Bremen
BONES—781 bgs, Swift & Co, Norderney, Rio Grande
519,995 lbs, Norderney, Rio Grande
2,000,000 lbs, West Selene, La Plata
CASSIA—126 pkgs, Jacobus F Frank, Foylebank, Batavia
CHEMICALS—4 cs, 617 lbs, L W Cronkhite, Lippe, Hamburg
34 csks, 23,773 lbs, Innis Speiden & Co, Lippe, Hamburg
250 bgs, 55,942 lbs, Cuno Sievers, Lippe, Hamburg
500 bgs, 110,230 lbs, Lippe, Hamburg
200 bgs, 25 csks, Lippe, Bremen
COCOA BEANS—3,000 bgs, 396,828 lbs, Balfour Guthrie & Co, West Selene, Bahia
3,500 bgs, 462,966 lbs, Wessels, Kulenkampf & Co, West Selene, Bahia
500 bgs, 66,138 lbs, W R Grace & Co, West Selene, Bahia
1,000 bgs, 132,276 lbs, J Aron & Co, West Selene, Bahia
COCOA BUTTER—10 cs, Stephen L Bartlett Co, Bilderdijk, Rotterdam
COCONUT, DESICCATED—100 cs, Philippine Desiccated Coconut Corp, Triton, Zambosanga
300 cs, J L Kelso Co, Triton, Davao
GLASS, WINDOW—332 cs, 49,870 lbs, City of Flint, Hamburg
GLUESTOCK, FISH—10 bbls, J R Poole, Evangeline, Yarmouth
16 bxs, J A Rich, Evangeline, Yarmouth
HIDE—330 bgs, 25 tons, 2 cwt, 1 qr, 15 lbs, American Express Co, Samaria, Liverpool
28 bls, 2 tons, 2 qrs, 11 lbs, H Remis & Co, City of Flint, Hull
GUM, ARABIC—50 bgs, 11,243 lbs, Thurston & Braidich, City of Bath, Port Sudan
INDUSTRIAL—25 bgs, 1 ton, 5 cwts, 1 qr, 22 lbs, J P Marton Co, Samaria, Liverpool
HERBS, MEDICINAL—29 bls, Clara, Fiume
MACE—16 cs, Kota Inten, Sourabaya
MAGNESITE—40 bbls, Innis Speiden & Co, Bilderdijk, Rotterdam
200 bgs, Bilderdijk, Rotterdam
MICA SPLITTINGS—200 cs, Philadelphia National Bank, City of Bath, Calcutta
226 cs, E J Corcelis, City of Spain, Calcutta
400 cs, City of Bath, Calcutta
NUTMEGS—42 bgs, Foylebank, Batavia
50 bgs, Lady Hawkins, Grenada
OIL, COD—7 bbls, from Nova Scotia
CODLIVER—53 bbls, 25,274 lbs, City of Flint, Hamburg
FUEL—35,000 bbls, 1,470,000 gls, Colonial Beacon Oil Co, S B Hunt, Aruba
PALM—818 tons, Van Leeuwen, Boomkamp & Co, Kota Inten, Belawan Deli
816 tons, Balfour Guthrie & Co, West Irmo, Matadi
TEASEED—100 dms, Melchers, Inc., Triton, Hongkong
PEATMOSS—400 bls., 41,887 lbs, City of Flint, Hamburg
100 bls, 13,448 lbs, Atkins & Durbrow, City of Flint, Hamburg
600 bls, 89,044 lbs, Peat Import Corp, City of Flint, Hamburg
900 bls, Premier Peat Moss Corp, Bilderdijk, Rotterdam
700 bls, Lippe, Bremen
300 bls, Atkins & Durbrow, Lippe, Bremen
500 bls, L E Page, Lippe, Bremen
PETROLEUM, CRUDE—31,945 bbls, 4,827 tons, Colonial Beacon Oil Co, S B Hunt, Las Piedras
POPPYSEED—50 bgs, J Sklar Co, Bilderdijk, Rotterdam
POTASH, CHLORATE—850 dms, 203,694 lbs, Bank of the Manhattan, Lippe, Hamburg
SESAME SEED—50 bgs, Triton, Hongkong
SHELLAC—20 bgs, 3,369 lbs, J H Schroeder Banking Corp, Lippe, Hamburg
STARCH, POTATO—1,160 bgs, Bilderdijk, Rotterdam
TANKAGE—1,000 bgs, 110,230 lbs, Norderney, Buenos Aires
TAPIOCA FLAKE SIFTINGS—356 bgs, National City Bank, City of Evansville, Sourabaya
FLOUR—552 bgs, Eustis, Pennock & Co, Foylebank, Pasoeroean
1,103 bgs, Foylebank, Pasoeroean
1,014 bgs, Guaranty Trust Co, Foylebank, Cheribon
1,000 bgs, Arnold Hoffman Co, Foylebank, Cheribon
535 bgs, Foylebank, Pamanoekan
749 bgs, Balfour, Guthrie & Co, Foylebank, Pamanoekan
500 bgs, Arnold Hoffman Co, Foylebank, Batavia
2,180 bgs, National City Bank, City of Evansville, Sourabaya
1,605 bgs, Balfour, Guthrie & Co, City of Evansville, Pamanoekan
1,692 bgs, Guaranty Trust Co, City of Evansville, Batavia
ZINC, SULPHATE—200 bgs, Cuno Sievers, Lippe, Hamburg

Boston Transit Imports

BLUE, ULTRAMARINE—1 ck, Arkwright Finishing Co, Samaria, Liverpool, for Providence
COLOR, POTTERS'—2 cks, Samaria, Liverpool, for East Liverpool, Ohio

Galveston Imports

COCONUTS—24,300, Harboe Jensen, Puerto Castilla

Houston Imports

SAGE LEAVES—50 bls, Laura C, Dubrounik

Los Angeles Imports

AGAR AGAR—440 lbs, Langleegorse, Yokohama
2,650 lbs, Langleegorse, Kobe
AMMONIA, PHOSPHATE—35,209 lbs, Kingsley, Trail
SULPHATE—67,200 lbs, Kingsley, Trail
BLEACHING POWDER—11,910 lbs, Tacoma, Frankfort
CAMPHOR, REFD—10 lbs, Tatsuta, Japan
CANARY SEED—43,600 lbs, Damsterdijk, Amsterdam
110,400 lbs, West Nilus, Buenos Aires
CASSIA, UNGRD — 6,630 lbs, Hoegh Transporter, Sumatra
CELERY SEED—5,370 lbs, Hoegh Transporter, Amristar
CHEMICAL COMPOUND—1,200 lbs, Hokkai, Japan
1,070 lbs, Naruto, Yokohama
900 lbs, Hokkai, Yokohama
COALTAR PROD—10 lbs, Tatsuta, Japan
COCONUT DESIC—30,240 lbs, Tai Ping, Manila
COPRA — 1,064,000 lbs, Hoegh Transporter, Cebu
MEAL—1,369,110 lbs, Hoegh Transporter, Manila
DRUGS, CRUDE — 300 lbs, President Pierce, Beirut
EPSOM SALT—32,940 lbs, Portland, Berlin
FERTILIZER — 100,000 lbs, Langleegorse, Kobe
150,000 lbs, Shunten, Yokohama
GLASS, PLATE — 13 cs, 30,360 lbs, Portland, Brussels
SHEET—6,930 lbs, Portland, Breslau
GUM, COPAL—11,390 lbs, Hoegh Transporter, Macassar
11,140 lbs, Hoegh Transporter, Gorontalo
MEDICINAL PREPS—10 lbs, Awobasan, Yokohama
MUSTARD SEED—33,150 lbs, Amerika, Copenhagen
OIL, CITRONELLA—2,030 lbs, West Camargo, Guatemala
5,760 lbs, Hoegh Transporter, Colombo
OLIVE—9,360 lbs, President Polk, Genoa
PALM—652,130 lbs, Bengalen, Medan
PARAFFIN—5,130 lbs, from Antwerp
PEANUT—3,600 lbs, President Wilson, Hongkong
VEGETABLE—800 lbs, Langleegorse, Kobe
PEATMOSS—199,360 lbs, Amerika, Malmo
47,040 lbs, Amerika, Copenhagen
PEPPER, UNGROUND — 11,020 lbs, Hoegh Transporter, Batavia
PERFUMERY, ALC—80 lbs, from London
25 lbs, from Paris
5 lbs, from Torquay
110 lbs, from Vienna
POTASH, SULPHATE—29,120 lbs, Portland, Hamburg
RICE FLOUR—1,470 lbs, Awobasan, Yokohama
390 lbs, Langleegorse, Yokohama
490 lbs, Shunten, Kobe
SEAWEED, DR—350 lbs, Tatsuta, Kobe
4,200 lbs, Langleegorse, Yokohama
490 lbs, Awobasan, Yokohama
4,350 lbs, Langleegorse, Tokio
250 lbs, Shunten, Kobe
SHELLAC—42,640 lbs, Bengalen, Calcutta
SEEDLAC—16,400 lbs, Bengalen, Calcutta
SOAP, TOILET—2 lbs, Tatsuta, Japan
530 lbs, from Paris
220 lbs, from Vienna
SOYBEANS—2,500 lbs, Langleegorse, Kobe
1,500 lbs, Langleegorse, Yokohama
STARCH, POTATO—490 lbs, Langleegorse, Yokohama
730 lbs, Shunten, Kobe
TAPIOCA FLOUR—150 lbs, Awobasan, Yokohama
TOILET PREPS—90 lbs, Tatsuta, Japan
40 lbs, from London
230 lbs, President Pierce, Beirut
UREA—120,960 lbs, Portland, Berlin
ZINC OXIDE, POWD — 4,410 lbs, President Pierce, Marseilles

Mobile Imports

BAUXITE ORE—1,235 tons, Wm C Atwater, Port of Spain
2,100 tons, Wm C Atwater, Moengo

New Orleans Imports

BAUXITE ORE—2,670 tons, Republic Mining & Mfg Co, Mayari, Paramaribo
887 tons, Republic Mining & Mfg Co, Mayari, Port of Spain
2,685 tons, Republic Mining & Mfg Co, Nordvangen, Paramaribo
3,212 tons, Aluminum Ore Co, Arlyn, Georgetown
2,916 tons, Aluminum Ore Co, Margaret, Georgetown
1,695 tons, Aluminum Ore Co, Margaret, Port of Spain
COCONUTS—500 sks, J Manton, Gansfjord, Kingston
200 sks, W R Grace & Co, Gansfjord, Kingston
320 sks, J Beyer, Gansfjord, Kingston
100 sks, H T Cottam, Gansfjord, Kingston
150 sks, Fruit Dispatch Co, Gansfjord, Kingston
500 sks, Fruit Dispatch Co, Gansfjord, Belize
320 sks, F Beyer, Gansfjord, Belize
1,000 sks, W Gordon, Gansfjord, Belize
350 sks, Nordvangen, Port of Spain
300 sks, F Beyer, Nordvangen, Georgetown
496 sks, F Beyer, Nordvangen, Kingston
310 sks, Fruit Dispatch Co, Sixaola, Puerto Cortez
COPRA—4,000 tons, Procter & Gamble Co, Dryden, Cebu
GUM, CHICLE—502 bls, Wm Wrigley Jr, Gansfjord, Belize
44 bls, Gansfjord, Belize
OCHER—50 bbls, Geo Wm Rueff, Arsa, Marseilles
480 sks, C William, Arsa, Marseilles
OIL, OLIVE—20 dms, Arsa, Marseilles
PAINT, PREPARED—50 kits, United Fruit Co, Tivives, Almirante
SOAP—25 cs, Arsa, Marseilles

Norfolk Imports

BLOOD, DRIED — 1,500 bgs, 165,353 lbs, West Imboden, Buenos Aires
1,111 bgs, 110,237 lbs, Pearsall & Co, Wilmington, N C, West Imboden, Buenos Aires
BONES—1,136 bgs, 126,973 lbs, West Imboden, Buenos Aires
710 bgs, 42 tons, 11 cwt, 2 qtrs, 22 lbs, West Cusseta, Calcutta
CALCIUM NITRATE—1 lot, 2,357 tons, Synthetic Nitrogen Prod Corp, N Y, Delaware, Heroen
CRACKLINGS — 159 bgs, 17,582 lbs, H J Baker & Bros, West Imboden, Buenos Aires
FERTILIZER—3,194 sacks, 245,084 lbs, Capulin, London
39 bls, 9 tons, Keene, N Y, Schodack, Bordeaux
FERTILIZER—1 parcel, 25 tons, Royster Guano Co, Spaarndam, Rotterdam
2 parcels, 538 tons, Spaarndam, Rotterdam
GUM, INDUSTRIAL—60 csks, 14 tons, 18 cwt, 3 qtrs, 10 lbs, J P Marston & Co, Boston, McKeesport, Manchester
MANURE, SHODDY — 179 bls, Manchester Division, Manchester
OCHER, LUMP—200 bgs, 10 tons, West Cusseta, Calcutta
OIL, FUEL — 45,000 bbls, Standard Oil Company of N J, Paul H Harwood, Aruba
MANGANESE ORE — 7,300 tons, E J Lavino & Co, Marietta Nomikos, Rio de Janeiro
PYRITES, SMALL—1,500 tons, Baron Dechmont, Huelva
QUEBRACHO EXTRACT — 5,620 bgs, 618,425 lbs, International Products Co, West Imboden, Buenos Aires
SALTPETER — 2,668 bgs, 226 tons, Ermland, Hamburg
7 lots, 1,070 tons, Ermland, Hamburg
TANKAGE—988 bgs, 99,998 lbs, Wilson & Co, West Imboden, Buenos Aires
DRY, RENDERED — 400 bgs, 44,092 lbs, H J Baker & Bros, West Imboden, Buenos Aires
2,005 bgs, 220,443 lbs, Jos C Jett, West Imboden, Buenos Aires

Philadelphia Imports

ACID, CRESYLIC—51 dms, John H Faunce, Waukegan, Liverpool
176 dms, Manchester Producer, Manchester
CHEMICALS—208 cs, H Kohnstamm & Co, Sanyo, Osaka
20 cs, Triton, Kobe
CHINA CLAY—83 tons, 3 cwt, Moore & Munger, M C Holm, Fowey
1,296 tons, 4 cwt, English China Clay Sales Corp, M C Holm, Fowey
CHROME ORE — 1,150 tons, U S Vanadium Corp, Triton, Santa Cruz
CLAY, BALL—130 tons, English China Clay Sales Corp, M C Holm, Fowey
BLUE—125 tons, Moore & Munger, M C Holm, Fowey
COCOA BEANS—3,500 bgs, Blumenthal Bros, Atalaia, Bahia
COCONUTS — 100 bgs, General Food Corp, Sanyo, Cristobal
CORIANDER SEED—50 bgs, R T French Co, Estrella, Casablanca
CORK—4,252 bls, Clara, Palermo
14 sks, Clara, Palermo
BELLIES—182 bls, Crown Cork & Seal Co, Excello, Algiers
DISC WASTE—506 bls, Crown Cork & Seal Co, Excello, Algiers
SHAVINGS—36 bls, Crown Cork & Seal Co, Excello, Algiers
WASTE—52 bls, Crown Cork & Seal Co, Excello, Algiers
CUMIN SEED—50 bgs, R T French Co, Estrella, Casablanca
DISTILLATE, COALTAR—15 dms, Monsanto Chemical Co, Waukegan, Liverpool
FOUNDERS DUST—2 cks, E F Houghton & Co, Waukegan, Liverpool
GUM, COPAL, DUST—191 bgs, Silverteak, Macassar
GYPSUM, CRUDE—6,000 tons, U S Gypsum Co, Gypsum Queen, Windsor
IRON, OXIDE—30 cks, F B Vandegrift & Co, Waukegan, Liverpool
80 bgs, F B Vandegrift & Co, Waukegan, Liverpool
KELPMEAL—353 bgs, Wessel Duval & Co, Toledo, Bergen
LEAVES, DRY—59 bls, Estrella, Marseilles
73 bls, Excello, Marseilles
LICORICE ROOT — 7,615 bls, McAndrews & Forbes Co, Excello, Taranto
SWEEPINGS—551 bgs, McAndrews & Forbes, Excello, Taranto
MAGNESITE—17,842 bgs, Harbinson & Walker Refactories Co, Clara, Trieste
MUSTARD SEED—500 bgs, R T French Co, Scanstates, Gdynia
NAPHTHALENE—334 bgs, John H Faunce, Waukegan, Liverpool
366 bgs, John H Faunce, Waukegan, Manchester
OIL, COCONUT—190.642 tons, Silverteak, Manila
CODLIVER—100 dms, Loos & Dilworth, Toledo, Kristiansund
100 dms, Seaboard Supply Co, Toledo, Bergen
389 dms, J A McCarthy, Toledo, Bergen
100 dms, Allen Forwarding Co, Toledo, Bergen
100 cks, Balfour, Guthrie & Co, Toledo, Bergen
LUBRICATING—5 dms, Furness Withy & Co, Manchester Producer, Manchester
OLIVE—527 cs, Barbarigo, Leghorn
75 cs, Barbarigo, Genoa
150 cs, G Foti, Barbarigo, Genoa
125 cs, Santa Oliolo, Excello, Leghorn
250 cs, Swinder & Binnenstock, Excello, Leghorn
156 cs, Psaki Bros, Excello, Leghorn
PERILLA — 324 tons, Bank of California, Yamazato, Kobe
RAPESEED—50 dms, Philadelphia National Bank, Yamazato, Kobe
RICE BRAN—1 dm, H J Baker & Bro, Triton, Yokohama
SULPHUR—100 bgs, Estrella, Lisbon
PETROLEUM, CRUDE—108,174 bbls, Gulf Oil Corp, Gulfbird, Las Piedras
REFINED—65 dms, R F Cruickshank, Inc, Scanstates, Copenhagen
POPPYSEED—200 bgs, R T Fench Co, Scanstates, Gdynia
PYRITES ORE—8,304 tons, Olivebank, Huelva
QUEBRACHO EXTRACT—1,500 bgs, International Products Co, Satartia, Buenos Aires
RAPESEED—375 bgs, R T French Co, Yamazato, Otaru
1,250 bgs, Corn Exchange National Bank & Trust Co, Yamazato, Otaru
SAGE LEAVES—110 bls, Barbarigo, Trieste
SAGO FLOUR—365 bgs, Silverteak, Singapore
SALT, CRYSTALS—10 cs, Waukegan, Liverpool
SARDINE MEAL—1,000 bgs, Mitsubishi Shoji Kaisha, Sanyo, Kobe
SHELLAC—250 bgs, Bank of London and South America, Mangalore, Calcutta
400 bgs, West Cusseta, Calcutta
SUMAC, GROUND—700 bgs, Clara, Naples
TALC—500 bgs, Whitaker, Clark & Daniels, Schodack, Bordeaux
TANKAGE—2,010 bgs, Satartia, Montevideo
TITANIUM ORE—250 bgs, Satartia, Santos
WAX, SERESIN—26 bgs, Barbarigo, Trieste
WOODFLOUR — 2,625 bgs, B L Soberski, Toledo, Hurum

Portland, Ore., Imports

COPRA—1,025 tons, Durkee Famous Foods, Kentuckv, Legaspi
500 tons, Durkee Famous Foods, Kentucky, Dumaguete
1,325 tons, Durkee Famous Foods, Kentucky, Cebu
PEANUT MEAL—705 sks, Balfour, Guthrie & Co, Kentucky, Dairen
SILVERSAND—200 tons, Balfour, Guthrie & Co, San Francisco, Antwerp
TANKAGE—990 sks, Wm J Horstmann, West Camargo, Buenos Aires

San Francisco Imports

ACID, CITRIC—20 cs, Maunawili, Honolulu (for Alameda)
ANGELICA ROOT—3 sks, Natures Herb Co, Tacoma, Hamburg
BLEACHING POWDER—160 dms, Wilson & George Meyer & Co, Tacoma, Antwerp
BONE MEAL—788 tons, West Nilus, Santa Fe
PRECIP—500 sks, Wilbur-Ellis Co, Taranger, Antwerp
BONES—1,867 sks, Consolidated Chemical Industries, Sonora, Mazatlan
174 sks, Explotadora de Aceites Vegetables, S A, Sonora, Mazatlan
407 sks, Echeguren & Co, Sonora, La Paz
265 sks, Seaman Haymes & Co, Sonora, San Jose del Cabo
CRUSHED—1,225 tons, West Nilus, Santa Fe
BUCKTHORN BARK, CUT—4 sks, Natures Herb Co, Tacoma, Hamburg
CANARY SEED—100 sks, Jac F Frank, Damsterdijk, Rotterdam
1,081 sks, West Nilus, Buenos Aires
CHALK, CRUDE—250 tons, West Coast Kalsomine Co, Damsterdijk, London
CHEMICALS—1 sk, Wilson & George Meyer & Co, Tacoma, Hamburg
240 dms, Wilson & George Meyer & Co, Tacoma, Antwerp
400 dms, W J Byrnes & Co, Damsterdijk, Rotterdam
CHILLIES—60 sks, Langleegorse, Kobe
CLAY, BALL—30,450 kilos, Balfour, Guthrie & Co, Damsterdijk, Rotterdam
COCOA BEANS—100 sks, Otis McAllister & Co, Tacoma, Cristobal
500 sks, Tacoma, Cristobal
400 sks, Laurits Swenson, Cristobal
500 sks, Amerika, Cristobal
COCONUTS—100 sks, Otis, McAllister & Co, Tacoma, Cristobal
COPRA—1,090 tons, El Dorado Oil Works, Skipsea, Catanauan (for Oakland)
473 tons, El Dorado Oil Works, Skipsea, Casan (for Oakland)
2,500 tons, El Dorado Oil Works, Skipsea, Cebu (for Oakland)
921 tons, El Dorado Oil Works, Skipsea, Gubat (for Oakland)
1,820 tons, El Dorado Oil Works, Skipsea, Legaspi (for Oakland)
CORKFLOATS—84 bls, Damsterdijk, London
CREAM TARTAR—300 sks, Bank of California, N A, Damsterdijk, Rotterdam
DAMAIANA LEAVES—51 sks, W Loaiza & Co, Sonora, Manzanillo
DENTIFRICE—2 cs, Tambara & Co, Langleegorse, Yokohama
FERTILIZER—1,000 sks, Sakae Araki, Langleegorse, Kobe
GENTIAN ROOT—1 sk, Natures Herb Co, Tacoma, Hamburg
GINGER ROOT—40 cs, Maunawili, Hilo
GLASS, SHEET—358 cs, Walter Andrews, Tacoma, Antwerp
WINDOW—219 cs, Smith Glass Co, Tacoma, Antwerp (for Oakland)
GLUE, GELATIN, POWD — 20 bbls, Chas M Lee Co, Damsterdijk, Rotterdam
IRON OXIDE — 22 csks, Jos A McNulty, Pacific President, Manchester
ISINGLASS—31 bls, S Ishimitsu Co, Langleegorse, Kobe
MEDICINAL PREPS — 1 cs, Tambara & Co, Langleegorse, Yokohama
1 cs, Pacific Trading Co, Langleegorse, Kobe
MOLASSES—1,199,000 lbs, Makawao, Ahukini
2,020,000 lbs, Maunawili, Port Allen
OIL, CODLIVER — 50 dms, Fred Olsen Line Agency, Laurits Swenson, Oslo
FISH, HARD—687 sks, Willits & Co, Langleegorse, Yokohama
RAPESEED, REFD—100 dms, Pacific Vegetable Oil Corp, Heiyo, Kobe
PAINT, BLACK, DRY—10 csks, Damsterdijk, Rotterdam
PAPRIKA — 100 sks, S H Tyler & Son, Tacoma, Hamburg
50 sks, McClintock-Stern Co, Inc, Tacoma, Hamburg
15 sks, 10 cs, Tacoma, Hamburg
PEATMOSS—100 bls, Sherman T Blake Co, Pacific President, Glasgow
1,900 bls, Peat Import Corp, Tacoma, Bremen (for Oakland)
810 bls, Wilson & George Meyer & Co, Laurits Swerson, Oslo
PEPPER, DECORTICATED — 40 sks, Damsterdijk, London
PYRETHRUM FLOWERS — 75 bls, Allaire Woodward Co, Langleegorse, Kobe
112 bls, Shell Oil Co, Langleegorse, Otaru
QUEBRACHO EXTRACT — 200 sks, International Products Co, West Nilus, Buenos Aires
RAPESEED — 375 sks, Albert Dickinson Co, Langleegorse, Nagoya
375 sks, American Commerce Co, Langleegorse, Nagoya
300 sks, Spratts Patent, Tacoma, Hamburg
100 sks, Taylor Milling Corp, Tacoma, Hamburg
SOAP, SADDLE—15 cs, Hoyt, Shepston & Sciaroni, Damsterdijk, Rotterdam
SOAP—35 cs, Swedish Imports & Exports Co, Nordstjernan, Gothenburg
SODA, CHLORATE — 1,200 dms, Chipman Chemical Co, Nordstjernan, Gothenburg
CYANIDE—160 dms, American Cyanamid & Chemical Co, Damsterdijk, Rotterdam (for Oakland)
STARCH—30 cs, Tambara & Co, Langleegorse, Yokohama
TALLOW—4 bbls, Maunawili, Hilo
TOILET PREPS — 8 cs, Swedish Imports & Exports Co, Nordstjernan, Gothenburg
UVA URSI LEAVES—3 sks, Natures Herb Co, Tacoma, Hamburg
WOODFLOUR — 1,875 sks, B L Soberski, Laurits Swenson, Oslo

Savannah Imports

CREOSOTE—2,000 tons, Bianca, London
SODA NITRATE—2,286,000 kilos, Tropic Star, Tocopilla
TAPIOCA FLOUR—375 bgs, Malayan Prince, Batavia

Seattle Imports

BLEACHING POWDER—50 dms, 20 cs, San Francisco, Antwerp
CHEMICALS—20 cs, 10 sks, San Francisco, Antwerp
DEGRAS—16 bbls, Parthenia, Liverpool
GLASS, WINDOW—7 cs, Parthenia, Liverpool
SILVERSAND—400 tons, Balfour, Guthrie & Co, San Francisco, Antwerp
SODA NITRATE—4,002 sks, Chilean Nitrate Sales Corpn, Coya, Tocopilla

Tampa Imports

BONEMEAL—1,103 bgs, Lucia C, Trieste
560 bgs, Lucia C, Fiume
TOILET PREP—4 crtns, Cuba, Havana

Exports From U.S. Ports

New York Exports

Clearance Dates

Almena, November 4; American Traveler, November 13; Amagisan, November 8; Aquitania, November 10; Argosy, November 3; Atlantida, November 5; Black Heron, November 5; Black Osprey, October 27; Buenaventura, November 9; Coamo, November 4; Cubano, November 6; Dagfred, November 12; Exeter, November 9; Exmouth, November 5; Falcon, November 4; Fernhill, November 5; Fredrika Lensen, November 1; Lafayette, November 5; Lillian, November 12; Malaren, November 6; Manhattan, November 3; New York, November 13; Normandie, November 9; Oriente, November 5; Pan America, November 5; Pilsudski, November 8; President Harding, November 10; President Roosevelt, October 29; Queen Mary, November 1; Rex, November 12; Roma, November 5; San Blas, November 10; San Juan, November 6; Santa Inez, November 5; Sawokla, November 6; Scanmail, November 6; Stavangerfjord, November 5; Toloa, November 6; Transylvania, November 12; Volendam, November 15

ACETONE—4,100 lbs, Svaneholm, Stockholm; 7,426 lbs, Stavangerfjord, Oslo
METHYL—4,400 gls, Frederika Lensen, London
ACID, ACETIC—2,595 lbs, Toloa, Magallanes
ASCORBIC — 746 lbs, New York, Hoechst
MURIATIC—1,478 lbs, Almena, Ciudad
NITRIC—411 lbs, San Blas, Corinto
ALCOHOL—690 gls, Argosy, Helsingfors
BUTYL—660 gls, Black Heron, Antwerp
DENATURED—2,090 lbs, Toloa, Cartagena
METHYL—4,400 gls, Frederika Lensen, London
AMMONIA SULPHATE—806 tons, Lillian, San Juan
ASPHALT — (Frederika Lensen) 35,180 lbs, Hamburg; 101,842 lbs, Gothenburg; 12,079 lbs, Scanmail, Gothenburg; (Argosy) 4,945 lbs, Malmo; 12,298 lbs, Stockholm; 4,940 lbs, Norrkoeping; 7,390 lbs, Gefle; 7,434 lbs, Ornskoldsvik; 489,215 lbs, Sawokla, Karachi; 88,869 lbs, Almena, Ciudad; 16,324 lbs, Amagisan, Yokohama; 57,128 lbs, Toloa, Cartagena; 18,115 lbs, Transylvania, Glasgow
GRANULAR—22,147 lbs, Black Heron, Antwerp
LIQUID—37,699 lbs, Scanmail, Stockholm; 28,847 lbs, President Roosevelt, Hamburg; 43,298 lbs, Volendam, Rotterdam; 88,869 lbs, Almena, Ciudad; 64,418 lbs, American Shipper, Liverpool
BENZOL—50,290 gls, Amagisan, Kobe
BLOOD, DRD—22,100 lbs, Argosy, Kotka; 66,300 lbs, Scanmail, Kotka; 22,100 lbs, President Harding, Hamburg
BLUE, ULTRAMARINE—56,683 lbs, Pan America, Buenos Aires; 1,120 lbs, Toloa, Buenaventura
BUTYL ACETATE—14,994 lbs, Black Heron, Antwerp; 2,652 lbs, Stavangerfjord, Oslo
CADMIUM SULPHIDE—4,123 lbs, Manhattan, Hamburg
CALCIUM ARSENATE—5,700 lbs, San Blas, Tambo Mora
PHOSPHATE—2,700 lbs, Black Heron, Rotterdam; 4,752 lbs, Buenaventura, Panama City
CHALK, PRECIP—45,218 lbs, Frederika, Lensen, London; 11,275 lbs, Exmouth, Istanbul
CHEMICALS—1,320 lbs, Black Osprey, Antwerp; 9,197 lbs, Black Heron, Rotterdam; 981 lbs, Rex, Genoa; 7,183 lbs, American Shipper, Liverpool; 2,824 lbs, Manhattan, Hamburg
CHLORACETOPHENONE—6,018 lbs, Argosy, Gdynia
CHLORINE—7,980 lbs, Buenaventura, Cristobal
CLAY—20,400 lbs, American Traveler, Hamburg
COALTAR INTERMEDIATES—2,334 lbs, Pan America, Santos
COLOR, DRY—2,676 lbs, San Blas, Port Limon; 2,676 lbs, San Blas, Port Limon
CORN FLOUR—1,175 lbs, Volendam, Benguela; 16,215 lbs, Oriente, Havana; 1,136 lbs, San Blas, Porto Limon
SUGAR—2,538 lbs, Black Osprey, Rotterdam; 1,320 lbs, Stavangerfjord, Trondhjem; 2,032 lbs, American Shipper, Liverpool
SYRUP—9,276 lbs, San Juan, San Juan; 10,250 lbs, Oriente, Havana; 3,766 lbs, Almena, Ciudad; 3,074 lbs, San Blas, Port Limon; 1,551 lbs, Toloa, Corinto
DISINFECTANT—3,221 lbs, Almena, Ciudad
COALTAR—3,120 lbs, Coamo, San Juan
DYES—36,528 lbs, Black Osprey, Antwerp; (Black Heron) 8,611 lbs, Antwerp; 2,706 lbs, Rotterdam; 847 lbs, Scanmail, Gothenburg; 2,521 lbs, (President Roosevelt), Hamburg; (Pan America) 5,218 lbs, Rio Janeiro; 5,082 lbs, Montevideo; 4,110 lbs, Santa Inez, Mollendo; (President Harding) 960 lbs, Havre; 3,371 lbs, Hamburg; (Manhattan) 495 lbs, Hamburg; 4,526 lbs, Reichenburg; 1,488 lbs, Gothenburg
ANILIN—2,161 lbs, President Roosevelt, Hamburg
ETHYL ACETATE—32,643 lbs, San Juan, Ponce
FLUID—500 gls, Exmouth, Constanza
FERTILIZER—20,200 lbs, San Blas, Port Limon
FLOTATION REAGENT—3,440 lbs, Stavangerfjord, Trondhjem
GASOLINE (Almena) 8,400 gls, Macoris; 1,000 gls, Porto Plata; 1,850 gls, Falcon, La Guaira; 12,600 gls, Buenaventura, Cristobal
GLASS, PLATE—8,890 lbs, San Blas, Port Limon
GLUCOSE—10,685 lbs, American Shipper, Liverpool
SOLID—383 lbs, San Juan, San Juan
GLUE—370 lbs, Coamo, San Juan; 543 lbs, Toloa, Porto Colombia
DRY—1,210 lbs, Svaneholm, Stockholm
FISH—1,416 lbs, President Harding, Havre
GLYCERIN—1,273 lbs, Toloa, Panama City
GREASE, ANIMAL—45,006 lbs, Black Heron, Rotterdam; 44,526 lbs, Volendam, Rotterdam
LUBRICATING—32,043 lbs, Black Osprey, Antwerp; 19,245 lbs, Cubano, Rio Janeiro; 44,624 lbs, Frederika Lensen, London; 1,322 lbs, Exmouth, Piraeus; 286,811 lbs, New York, Hamburg; (Argosy) 6,207 lbs, Copenhagen; 6,667 lbs, Stockholm; 65,176 lbs, Roma, Genoa; 1,246 lbs, President Roosevelt, Reykjavik; 915 lbs, Exeter, Alexandria; (Malaren) 6,360 lbs, Gothenburg; 4,102 lbs, Helsingfors; (Sawokla) 3,015 lbs, Bombay; 2,710 lbs, Madras; 5,045 lbs, Calcutta; (Stavangerfjord) 1,226 lbs, Bergen; 11,928 lbs, Oslo; 5,201 lbs, American Shipper, Manchester; 10,160 lbs, Buenaventura, Cristobal; 3,490 lbs, Manhattan, Havre; 5,483 lbs, Transylvania, Glasgow
GUM, TRAGACANTH—1,738 lbs, Manhattan, Havre
INK, PRINTING—5,217 lbs, Stavangerfjord, Trondhjem

INSECTICIDE—3,588 lbs, San Blas, Buenaventura
AGRICULTURAL—31,400 lbs, Argosy, Helsingfors
HOUSEHOLD—(Sawokla) 15,010 lbs, Bombay; 1,860 lbs, Madras; 18,000 lbs, Calcutta
LIQUID—3,960 lbs, San Juan, San Juan
IODINE, TINCTURE—360 lbs, Normandie, Havre
IRON OXIDE—5,027 lbs, Black Heron, Antwerp
KETONE—4,565 gls, Fredrika Lensen, London
LACQUER—1,189 lbs, Black Heron, Antwerp; 1,564 lbs, Argosy, Helsingfors; (Pan America) 2,499 lbs, Rio de Janeiro; 5,660 lbs, Buenos Aires
PASTE—30,110 lbs, Frederika Lensen, London
THINNER—(Pan America) 5,500 gls, Rio de Janeiro; 2,750 gls, Buenos Aires; 3,300 gls, Exeter, Jaffa
LARD—3,150 lbs, Black Heron, Antwerp; 9,300 lbs, Queen Mary, Southampton; 368,957 lbs, New York, Hamburg; (Roma) 24,400 lbs, Naples; 32,757 lbs, Genoa; 60,930 lbs, President Roosevelt, Hamburg; 39,553 lbs, Aquitania, Southampton; 48,734 lbs, American Traveler, Havre; (San Juan) 9,500 lbs, San Juan; 12,450 lbs, Ponce; 20,000 lbs, Mayaguez; 19,500 lbs, Oriente, Havana; 4,000 lbs, Coamo, San Juan; 2,525 lbs, San Blas, Santiago; (American Shipper) 525,712 lbs, Liverpool; 50,850 lbs, Manchester; 71,190 lbs, President Harding, Hamburg; 120,818 lbs, Manhattan, Hamburg; 138,806 lbs, Transylvania, Glasgow
LEAD, BLUE SUBLIMED—(Malaren) 2,360 lbs, Gothenburg; 2,365 lbs, Stockholm
RED—2,019 lbs, San Juan, Humacao; 531 lbs, Toloa, Buenaventura
LINSEED CAKE—(Black Osprey) 3,067,534 lbs, Antwerp; 2,669,841 lbs, Rotterdam; 143,058 lbs, Frederika Lensen, London; 226,978 lbs, President Roosevelt, Havre; 225,486 lbs, American Traveler, Havre
LITHOPONE—12,900 lbs, American Shipper, Manchester
MOLYBDENUM CONCE—91,614 lbs, Black Heron, Antwerp; 31,226 lbs, Manhattan, Hamburg
OIL, CASTOR—1,619 lb. President Harding, Havre
CEDARWOOD—1,482 lbs, Amagisan, Yokohama
COOKING—941 lbs, Coamo, San Juan
CORN—3,358 lbs, San Juan, San Juan; (Falcon) 10,249 lbs, Curacao; 12,229 lbs, Aruba
ESSENTIAL—481 lbs, New York, Hamburg; 986 lbs, Argosy, Stockholm
LUBRICATING—840 gls, Rex, Genoa; 935 gls, Svaneholm, Stockholm; (Exeter) 7,180 gls, Marseilles; 16,875 gls, Tunis; 2,850 gls, Sfax; 550 gls, Bone; 400 gls, Beirut; 605 gls, Haifa; (Volendam) 3,582 gls, Rotterdam; 8,840 gls, Amsterdam; (Malaren) 210 gls, Gothenburg; 990 gls, Malmo; (American Traveler) 21,000 gls, Havre; 1,680 gls, Hamburg; 1,045 gls, Almena, Porto Plata; 15,640 gls, San Juan, San Juan; (Sawokla) 550 gls, Karachi; 14,690 gls, Bombay; 270 gls, Baghdad; 8,062 gls, Madras; 55,570 gls, Calcutta; 3,066 gls, Oriente, Havana; (Santa Inez) 1,100 gls, Cristobal; 825 gls, Talara; 15,665 gls, Callao; 1,775 gls, Pisco; 2,075 gls, Mollendo; (Amagisan) 116,050 gls, Yokohama; 148,500 gls, Kobe; 26,125 gls, Faicon, La Rosa; (Stavangerfjord) 7,214 gls, Trondhjem; 19,864 gls, Bergen; 49,750 gls, Oslo; (San Blas) 1,815 gls, Colon; 1,100 gls, Cristobal; (American Shipper) 24,920 gls, Manchester; 5,208 gls, Belfast; 1,100 gls, Toloa, Kingston; 3,685 gls, Dagfred, Montevideo; (President Harding) 20,430 gls, Havre; 770 gls, Hamburg; 20,850 gls, Manhattan, Havre; 3,570 gls, Transylvania, Glasgow; (Black Osprey) 1,375 gls, Antwerp; 4,240 gls, Rotterdam; 3,501 gls, Amsterdam; (Lafayette) 29,325 gls, Havre; 1,350 gls, Dunkirk; 4,940 gls, Bordeaux; (Black Heron) 7,505 gls, Antwerp; 3,990 gls, Rotterdam; 27,180 gls, Cubano, Rio de Janeiro; (Frederika Lensen) 5,500 gls, London; 63,588 gls, Hamburg; (Exmouth) 550 gls, Piraeus; 7,700 gls, Istanbul; 2,640 gls, Galatz; 660 gls, Bucharest; 28,068 gls, New York, Hamburg; (Scanmail) 550 gls, Gothenburg; 1,375 gls, Stockholm; (President Roosevelt) 825 gls, Hamburg; 550 gls, Reykjavik; 11,516 gls, Praha; 2,436 gls, Czechoslovakia; 16,301 gls, Havre; 4,200 gls, Fernhill, Genoa
NEATSFOOT—16,216 lbs, Svaneholm, Stockholm
OLEO — 47,479 lbs, Black Osprey, Rotterdam; 11,815 lbs, Scanmail, Gothenburg; 23,666 lbs, Argosy, Helsingborg; 90,422 lbs, Svaneholm, Stockholm; (Malaren) 23,173 lbs, Malmo; 46,585 lbs, Gothenburg; 154,499 lbs, Volendam, Rotterdam; 4,739 lbs, Stavangerfjord, Stavanger; 7,058 lbs, American Shipper, Liverpool
ORANGE, SUPER — 357 lbs, New York, Hamburg
PINE—24,116 lbs, Exeter, Famagusta; 19,090 lbs., Amagisan, Kobe
RAYON—18,000 lbs, Roma, Genoa
STONE—2,120 lbs, Argosy, Stockholm
WORMSEED — 2,588 lbs, Frederika Lensen, London
PAINT—11,771 lbs, Black Osprey, Antwerp; 13,800 lbs, Black Heron, Antwerp; 2,237 lbs, Argosy, Helsingfors; 13,686 lbs, Pan America, Rio de Janeiro; 7,762 lbs, Malaren, Stockholm; (Volendam) 2,087 lbs, Rotterdam; 4,087 lbs, Amsterdam; 1,142 lbs, San Juan, Mayaguez; 3,392 lbs, Almena, Porto Plata; 3,470 lbs, Stavangerfjord, Oslo; (San Blas) 3,590 lbs, Port Limon; 7,528 lbs, Buenaventura; 41,700 lbs, Buenaventura, Cristobal
ENAMEL — 3,255 lbs, Scanmail, Stockholm; 1,582 lbs, Argosy, Copenhagen
PASTE—7,366 lbs, Argosy, Helsingfors
PREPARED—1,740 lbs, Stavangerfjord, Oslo; 1,616 lbs, Toloa, Panama City
PARAFFIN—37,816 lbs, Black Osprey, Antwerp; 81,850 lbs, Frederika Lensen, London; 4,526 lbs, Cubano, Rio de Janeiro; 64,162 lbs, Exmouth, Malta; 33,367 lbs, Scanmail, Stockholm; (Almena) 10,080 lbs, Porto Plata; 20,158 lbs, Ciudad; 10,515 lbs, Sawokla, Calcutta; 11,151 lbs, Santa Inez, La Union; (Stavangerfjord) 2,224 lbs, Flekkefjord; 2,224 lbs, Trondhjem; 4,449 lbs, Bergen; 13,347 lbs, Oslo; 18,346 lbs, Toloa, Buenaventura; 60,963 lbs, Transylvania, Glasgow
REFINED—22,244 lbs, Scanmail, Gothenburg; 4,060 lbs, American Shipper, Liverpool
SCALE—162,080 lbs, Frederika Lensen, London; 267,822 lbs, American Shipper, Manchester
PETROLEUM, CRUDE—925 tons, Amagisan, Osaka
REFINED—(Almena) 500 gls, Porto Plata; 7,300 gls, Ciudad; 7,000 gls, Sanchez; 20,000 gls, San Juan, San Juan
PHENOL—(Amagisan) 107,910 lbs, Yokohama; 114,437 lbs, Kobe; 51,072 lbs, Manhattan, Hamburg
PITCH, COALTAR—4,831 lbs, Aquitania, Southampton; 1,730 lbs, President Harding, Havre
RESIN COALTAR—444 lbs, Scanmail, Gothenburg; 900 lbs, Aquitania, Southampton
SYNTHETIC—1,516 lbs, Black Heron, Antwerp; 12,760 lbs, President Roosevelt, Havre; 4,435 lbs, American Traveler, Hamburg
ROSIN—3,418 lbs, Black Osprey, Antwerp; 7,043 lbs, Argosy, Stockholm
LIQUID—45,342 lbs, American Shipper, Manchester
SOAP—(San Juan) 16,818 lbs, Ponce; 5,425 lbs, Mayaguez
TOILET—29,654 lbs, Coamo, San Juan
SODA ASH—104,215 lbs, Cubano, La Plata; 11,058 lbs, American Traveler, Havre; 3,231 lbs, Almena, Ciudad; 3,240 lbs, San Juan, Mayaguez; 60,162 lbs, Oriente, Havana; 37,600 lbs, American Shipper, Liverpool; 62,885 lbs, Dagfred, Buenos Aires
BENZOATE—1,298 lbs, Pan America, Rio Janeiro; 670 lbs, Toloa, Kingston
BICARBONATE—71,291 lbs, Pan America, Rio Janeiro
CAUSTIC—(Cubano) 202,060 lbs, La Plata; 47,515 lbs, Montevideo; 39,182 lbs, Almena, Ciudad; (San Juan) 35,850 lbs, San Juan; 21,510 lbs, Humacao; 25,188 lbs, Coamo, Trujillo; 23,600 lbs, Toloa, Cartagena
NITRATE—22,330 lbs, Sawokla, Calcutta
PHOSPHATE, TRI—3,500 lbs, Toloa, Cartagena
SILICATE — 7,290 lbs, Coamo, San Juan; 113,584 lbs, San Blas, Santiago; 2,215 lbs, President Harding, Havre
SOOT—41,640 lbs, New York, Hamburg; 29,133 lbs, President Harding, Hamburg
SOYBEAN MEAL—112,000 lbs, American Shipper, Belfast
STARCH—1,410 lbs, Exeter, Alexandria
CORN—(San Juan) 4,500 lbs, San Juan; 24,223 lbs, Humacao; 1,000 lbs, Mayaguez; 575 lbs, Oriente, Havana; 3,000 lbs, Atlantida, Santiago; 600 lbs, Falcon, Curacao; 270 lbs, San Blas, Bocas Toro
TALC—(Frederika Lensen) 288,475 lbs, London; 71,170 lbs, Hamburg; 25,797 lbs, American Shipper, Liverpool
TALLOW—68,750 lbs, Almena, Ciudad
TURPENTINE—2,500 gls, Cubano, Rio de Janeiro
VANADIUM CATALYST—140,832 lbs, Amagisan, Yokohama
WHITING—10,150 lbs, Scanmail, Trolleborg
WITCH HAZEL EXTRACT—1,218 lbs, Frederika Lensen, London; 4,905 lbs, President Roosevelt, Havre; 254 lbs, Svaneholm, Stockholm; 12,001 lbs, Manhattan, Hamburg
ZINC, DUST—3,060 lbs, Toloa, Puntarenas

Baltimore Exports

Clearance Dates

Argentino, November 12; City of Norfolk, November 12; Frank Seamans, November 13; Manchester Division, November 14; McKeesport, November 13; Quaker City, November 12.

ACID, CHROMIC—10,600 lbs, City of Norfolk, Hamburg; 22,400 lbs, Manchester Division, Manchester
ASPHALT, SOLID—12,315 lbs, City of Norfolk, London; 106,586 lbs, Quaker City, Liverpool
CADMIUM LITHOPONE—112 lbs, City of Norfolk, Havre
CHEMICAL SPECIALTY—40,000 lbs. Quaker City, Manchester
COPALIT CONCEN—1,300 lbs, City of Norfolk, Germany
CORN SYRUP—84,007 lbs, City of Norfolk, London; 83,561 lbs, Quaker City, Liverpool; 41,637 lbs, McKeesport, Glasgow
FIRECLAY—300 lbs, Argentino, Buenos Aires
INSECTICIDE—2,485 lbs, City of Norfolk, India
OIL, ENGINE—85 bbls, Quaker City, Dublin
LUBRICATING—142 bbls, City of Norfolk, Rouen; 12,480 gls, Quaker City, Manchester; 7,934 gls, McKeesport, Manchester; 85 bbls, Quaker City, Dublin
OYSTER SHELLS, CRSED—100 tons, Manchester Division, Halifax
PARAFFIN—60,634 lbs, Quaker City, Liverpool
PORCELAIN ENAMEL FRIT—(City of Norfolk) 2,300 lbs, Havre; 625 lbs, Oslo
POTASH BICHROMATE—6,720 lbs, City of Norfolk, Calcutta
QUERCITRON BARK EXTRACT—21,883 lbs, McKeesport, Manchester
RUTILE—33,060 lbs, City of Norfolk, Havre; (Quaker City) 22,760 lbs, Manchester; 56,860 lbs, Liverpool
SOYBEAN MEAL—149 tons, McKeesport, Belfast; 99 tons, Manchester Division, Liverpool
SODA, BICHROMATE—(City of Norfolk) 4,704 lbs, Calcutta; 22,176 lbs, Bombay
SUPERPHOSPHATE—6,250 tons, Frank Seamans, St John, N B
WITCH HAZEL LEAVES—2,131 lbs, City of Norfolk, Havre

Beaumont Exports

Clearance Dates

Athelking, November 12; Cripple Creek, November 13

OIL, LUBRICATING—95 dms, Cripple Creek, London
PETROLEUM, CRUDE—109,134 bbls, Athelking, Naples

Boston Exports

Clearance Dates

American Importer, November 16; Artigas, November 12; Barbarigo, November 10; Beemsterdijk, November 12; Black Hawk, November 16; Britannic, November 13; Evangeline, November 13, 17; Foylebank, November 19; Newfoundland, November 10; President Van Buren, November 8; San Benito, November 22; Saramacca, November 13; Satartia, November 15; Suriname, November 20; Transylvania, November 13

ACETONE—1 dm, 50 gls, President Van Buren, Manila
ACID, SULPHURIC—30 crbys, 5,400 lbs, Saramacca, Havana
ALUMINA SULPHATE—1,016 bgs, 224,028 lbs, Satartia, Buenos Aires
ANIMAL DIP—(President Van Buren) 130 dms, 70,115 lbs, Manila; 17 dms, 900 gls, Hongkong
BAKING POWDER—100 bxs, 25 pls, 20 crtns, 10 crts, 5,800 lbs, Newfoundland, St John's, N F
BONE CHAR—940 bgs, 239,200 lbs. Suriname, Kingston
BRONZING LIQUID—1 dm, 59 gls, Newfoundland, St John's, N F
CALCIUM PHOSPHATE, TRI—7 bbls, 840 lbs, Suriname, Kingston
CEMENT, CAN—7 dms, 3,142 lbs, Britannic, Port Elizabeth
RUBBER—7 bbls, 356 gls, President Van Buren, Manila; 40 dms, 1,560 lbs, Britannic, Port Elizabeth; 1 cs, 48 lbs, Saramacca, Havana
SHOE — 1 cs, 11 dms, 57 gls, San Benito, Panama
COCOA CAKE—1,405 bgs, 197,420 lbs, Beemsterdijk, Amsterdam
COLOR—2 dms, 672 lbs, Saramacca, Havana
DISINFECTANT — 1 bbl, and 3 cs, 454 lbs, Newfoundland, St John's, N F
DRESSING, LEATHER—6 kgs, 6 ctns, Newfoundland, St John's, N F; 1 cs, 28 lbs, Black Hawk, Numegen
SHOE—1 cs, 550 lbs, Artigas, Newport
DRYER—10 dms, 461 gls, Newfoundland, St John's, N F
FILLER, SHOE—4 dms, 200 lbs, Saramacca, Havana
FINISH, LEATHER—10 bbls, 4,935 lbs, Saramacca, Santa Clara; 8 bbls, 456 gls, American Importer, Manchester
GLUE—1 cs, 50 lbs, President Van Buren, Manila
PHOTO-ENGRAVING—10 cs, 300 lbs, Artigas, Hamburg
POWDERED—1 bx, 60 lbs, Artigas, Landskrona
GREASE, SOAP—(Saramacca) 7 bbls, 3,082 lbs, Havana; 6 bbls, 2,782 lbs, Calbarien; 1 bbl, and 1 dm, 915 lbs, San Benito, Cartago
INFUSORIAL EARTH — 175 bgs, 17,063 lbs, Suriname, Kingston
INK, PRINTING—7 kits, 360 lbs, Saramacca, Havana
SHOE—1 cs, 6 gls, President Van Buren, Manila
WRITING—7 pkgs, Newfoundland, St John's, N F; (President Van Buren) 6 pkgs, Manila; 9 pkgs, Honolulu; 1 pkg, Wailuku; 21 pkgs, Saramacca, Havana
KEROSENE—100 dms, 5,500 gls, Newfoundland, St John's, N F
LACQUER — 8 dms, 400 gls, Black Hawk, Wiltz; 1 bx, 9 lbs, American Importer, Liverpool
LARD—(Artigas) 400 bxs, 60 trcs, 43,130 lbs, Leith; 100 bxs, 12 trcs, 10,054 lbs, Dundee; 2,150 bxs, 120,400 lbs, Hull; 640 bxs, 35,840 lbs, Bristol; 200 bxs, 11,200 lbs. Transylvania, Glasgow; 1,000 bxs, 56,000 lbs, Newfoundland, Liverpool; 250 bxs, 14,000 lbs, American Importer, Manchester
LIGNIN LIQUOR—3 bbls, 175 gls, Newfoundland, St John's, N F
LINING COMP—21 dms, 1,452 lbs, Artigas, Goteborg
SOLUTION—1 pkg, 20 gls, Britannic, Leicester
MEDICINAL PREPS—5 cs, 330 lbs, Newfoundland, Bell Island, N F; 2 cs, 33 lbs, President Van Buren, Honolulu; (Britannic) 1 cs, 13 lbs, Leicester; 3 cs, 219 lbs, Nottingham; 4 cs, 268 lbs, Saramacca, Havana
MOLASSES—90 bbls, 4,950 gls, Beemsterdijk, Rotterdam
OIL, CASTOR, SULPHONATED — 40 bbls, 17,511 lbs, Black Hawk, Rotterdam
COALTAR — 15 dms, 6,780 lbs, Saramacca, Havana
LUBRICATING — (Evangeline) 11 dms, 594 gls, Yarmouth; 10 crtns. 60 gls, Digby, N S; 13 bbls, 5,401 lbs, Black Hawk, Antwerp; 89 bbls, Evangeline, St John, N B; (Britannic) 1 cs, 15 gls, Liverpool; 5 bbls, 2,193 lbs, Madras
NEATSFOOT — 52 dms, 21,496 lbs, Black Hawk, Worms
SEWING MACHINE—2 cs, 4½ gls, President Van Buren, Honolulu
OYSTER SHELLS, CRSHD—100 bgs, 10,000 lbs, Newfoundland, St John's, N F
PAINT—5 cs, 5 dms, 427 lbs, Newfoundland, St John's, N F
COPPER—10 cs, 100 gls, San Benito, Colon
PARAFFIN—153 bgs, 33,660 lbs, Barbarigo, Trieste
PASTE, ADHESIVE—13 dms, 533 lbs, Saramacca, Havana; 1 pkg, 30 lbs, Newfoundland, St John's, N F; (President Van Buren) 3 pkgs. 205 lbs, Manila; 7 pkg, 276 lbs, Honolulu; 11 dms, 528 lbs, Britannic, Port Elizabeth
FLOUR, DRY—2 bbls, 560 lbs, President Van Buren, Manila
PHENOL—1 bx, 2 lbs, Artigas, Hamburg
PINETAR—1 dm, 470 lbs, Britannic, Beeston
POLISH, SHOE—9 crtns, 141 lbs, Saramacca, Havana; 3 cs, 30 gls, San Benito, Panama
STOVE—45 cs, 1,635 lbs, Evangeline, St John, N B
ROSIN—2 bbls, 1,000 lbs, Newfoundland, Halifax; 40 bbls, 19,875 lbs, Evangeline, Halifax
SOAP—10 cs, 617 lbs, Foylebank, Manila
FLAKE—50 cs, 834 lbs, President Van Buren, Honolulu; 20 cs, 668 lbs, Foylebank, Manila
MEDICATED—1 cs, 36 lbs, President Van Buren, Honolulu
POWDER—200 cs, 8,179 lbs, President Van Buren, Honolulu
TAR—1,315 bxs, 44,400 lbs, Foylebank, Manila
TOILET—350 cs, 8,331 lbs, President Van Buren, Honolulu; 4,015 cs, 111,718 lbs, Foylebank, Manila
TALC — 1 cs, 36 lbs, President Van Buren, Honolulu
TOILET PREPS—1 cs, 28 lbs, Newfoundland, Bell Island, N F
TURPENTINE,. GUM—4 dms, 229 gls, Newfoundland, Halifax
VANILLA BEANS—2 cs, 220 lbs, Evangeline, Woodstock, N B
VARNISH—13 cs, 89 gls, Newfoundland, St John's, N F; 2 dms, 752 lbs, Saramacca, Havana
WAX—1 cs, 83 lbs, President Van Buren, Manila
SHOE—1 cs, 30 lbs, Saramacca, Havana

Corpus Christi Exports

Clearance Date

Realf, November 9

OIL, FUEL—34,916 bbls, Realf, Gothenburg
PETROLEUM, CRUDE — 49,550 bbls, Realf, Gothenburg

Galveston Exports

Clearance Dates

Cardonia, November 15; Daghestan, November 15; Laura C, November 12; Genevieve Lykes, November 15; Margaret Lykes, November 13; Toronto, November 13; Wiegand, November 16

BLACK, CARBON—500 bgs, Laura C, Trieste; 280 bgs, Wiegand, Hamburg
CONCENTRATES—120 tons, Cardonia, Rotterdam
COTTONSEED MEAL — 225 tons, Toronto, Oslo
FIRECLAY — 38 tons, Margaret Lykes, Ponce
OIL, FUEL—8,000 tons, Daghestan, U K ports via Lands End for orders
PAINT—1 ton, Margaret Lykes, Ponce
POTASH—50 tons, Margaret Lykes, Ponce

Houston Exports

Clearance Dates

Castana, November 13; City of Omaha, November 15; J J Coney, November 10; Jolie Fassio, November 16; Laura C, November 15; Lumen, November 12; Mecklenburg, November 13; Merope, November 12; Mongiola, November 12; Solstad, November 13; Toronto, November 10; Tribesman, November 12; Uddeholm, November 13; Wiegand, November 15

BLACK, CARBON — (Toronto) 50 cs, Oslo; 90 cs, Copenhagen; 50 cs, Mongiola, Genoa; (Tribesman) 925 bgs, 50 cs, Manchester; 17,416 bgs, 155 cs, Liverpool
BLACK, CARBON (Continued):—
Manchester; (Uddeholm) 50 cs, Gothenburg; 2,240 bgs, Gdynia; 16 cs, City of Omaha, Piraeus; (Laura C), 3,678 bgs, Trieste; 75 cs, Susak; 300 bgs, Varna; 250 tons, Wiegand, Bremen
GASOLINE — 77,000 bbls, Lumen, Bordeaux-Antwerp range
OIL, FUEL—52,000 bbls, J J Coney, Matanzas; 26,000 bbls, Castana, Guantanamo
GAS—8,000 tons, Solstad, Hamburg
LUBRICATING — 350 dms, Mecklenburg, Osaka
PETROLEUM, CRUDE — 10,000 bbls, Merope, Berre; 7,300 tons, Jole Fassio, Donges

Los Angeles Exports

Clearance Dates

Aduia, November 6; Asia, November 2; Brasil, November 3; Elizabeth Bakke, November 3; Hauraki, October 24; Hoegh Hood, November 8; Kaiyo, November 4; Kwansai, October 28; Leiv Eriksson, November 8; Noto, October 31; Pacific Ranger, October 30; President Taft, October 23; Rosebank, November 1; San Jose, November 6; Santa Rosa, October 30; Sepia, November 15; Tatsuta, November 1; Tweedbank, October 25; Waiotapu, October 25

ACID, BORIC—400 bgs, 44,800 lbs, Pacific Ranger, Manchester; 20 kegs, 2,240 lbs, Waiotapu, Bluff
ASPHALT—567 dms, 246,400 lbs, Waiotapu, Auckland
LIQUID—773 dms, 336,000 lbs, Hauraki, New Plymouth
SOLID — 120 dms, 44,690 lbs, Waiotapu, Sydney-Melbourne
BATTERY SEALING COMP—920 lbs, President Taft, Hongkong
BORATE—770 bgs, 111,740 lbs, President Taft, Osaka; 690 bgs, 111,980 lbs, Tatsuta, Osaka
BORAX—(President Taft) 98 bgs, 10,980 lbs, Osaka; 1,101 bgs, 133,390 lbs, Yokohama; 20 bbls, 4,500 lbs, Manila; 2,600 bgs, 291,200 lbs, Pacific Ranger, Manchester; 950 bgs, 106,400 lbs, Kwansai, Osaka; (San Jose) 1,100 bgs, 123,200 lbs, Havre; 400 bgs, 44,800 lbs, Antwerp; 900 bgs, 99,230 lbs, Tatsuta, Dairen
GRANULAR—310 bgs, 34,720 lbs, Waiotapu, Auckland; 493 bgs, 55,220 lbs, San Jose, Antwerp; (Hauraki) 180 bgs, 20,160 lbs. Wellington; 100 bgs, 11,200 lbs, Dunedin; 40 bgs, 4,480 lbs, Lyttelton
POWDERED—40 bgs, 4,480 lbs, Waiotapu, Auckland
CLAY—112 bgs, 12,540 lbs, Santa Rosa, Casigua
CLEANER—3,940 lbs, Santa Rosa, Cristobal
COTTON LINTERS—(San Jose) 226 bls, 141,760 lbs, Havre; 774 bls, 164,200 lbs, Rotterdam
COTTONSEED CAKE—1,792,000 lbs, Asia, Copenhagen
DIATOMACEOUS EARTH—219 bgs, 22,400 lbs, Elizabeth, Bakke
FILM, SCRAP—24,150 lbs, San Jose, Antwerp
GASOLINE—150 dms, 49,330 lbs. Waiotapu, Auckland; 16,675 bbls, 4,352,170 lbs, Kaiyo, Yokohama; (Hauraki) 50 dms, 16,960 lbs, Papeete; 100 dms, 32,800 lbs, Wellington; 150 dms, 49,330 lbs, Dunedin; 100 dms 32,890 lbs, Lyttelton; 80,537 bbls, 23,369,160 lbs, Aduia, Curacao
GYPSUM—33,600 lbs, Hauraki, Wellington
HERBS, DRY—1,560 lbs, Pacific Ranger, London
INFUSORIAL EARTH—(Pacific Ranger) 196 bgs, 20,090 lbs, London; 574 bgs, 55,310 lbs, Manchester; 1,924 bgs, 191,970 lbs, Elizabeth Bakke, Manchester; (Waiotapu) 40 bgs, 4,060 lbs, Auckland; 224 bgs, 22,406 lbs, Melbourne; 40 bgs, 4,060 lbs, Hauraki, Christchurch; 395 sks, 39,500 lbs, Santa Rosa, Buenaventura
KEROSENE—60 dms, 250 cs, 42,350 lbs, Waiotapu, Auckland; 150 dms, 150 cs, 66,610 lbs, Hauraki, Wellington
ILLUMINATING—(Waiotapu) 150 cs, 12,750 lbs, Sydney; 100 cs, 8,500 lbs, Melbourne; 645 cs, 54,830 lbs, Auckland; (Hauraki) 20 dms, 50 cs, 11,380 lbs, Wellington; 25 cs, 2,130 lbs, Dunedin; 50 cs, 4,250 lbs, Lyttelton; 40 cs, 3,400 lbs, New Plymouth
METHANOL—1 dm, 500 lbs, Waiotapu, Auckland
MINERAL SPTS—10 dms, 100 cs, Waiotapu, Auckland
OIL, COTTONSEED — 31,570 lbs, Kwansai, Yokohama
DIESEL—55,908 bbls, 17,446,300 lbs, Hoegh Hood, Tsurumi-Osaka; 54,234 bbls, 16,921,010 lbs, Sepia, Yokohama; 10,180 bbls, 3,176,160 lbs, Hauraki, Wellington
FUEL—39,145 bbls, 13,655,280 lbs, Hoegh Hood, Tsurumi-Osaka
LEMON—50 lbs, President Taft, Tokio
ORANGE, DIST—150 lbs, President Taft, Tokio
LACQUER, COLORED—540 lbs, President Taft, Hongkong
THINNER—700 lbs, President Taft, Hongkong
PAINT, PREPARED—30,000 lbs, Santa Rosa, Balboa
PECTIN, CITROUS—2,000 lbs, Pacific Ranger, Liverpool
PETROLEUM, CRUDE—1,700 dms, 668,300 lbs, Waiotapu, Melbourne; 1,450 dms, 570,650 lbs, Hauraki, Melbourne; 99,235 bbls, 30,961,320 lbs, Leif Eirikson, German Chosen
POTASH MURIATE—3,000 bgs, 672,000 lbs, President Taft, Yokohama; 13,672 bgs, 1,543,220 lbs, Noto, Yokohama; (Kwansai) 5,000 bgs, 1,102,300 lbs, Yokohama; 2,000 bgs, 440,920 lbs, Kobe; (Tatsuta) 5,000 bgs, 1,102,300 lbs, Yokohama; 1,000 bgs, 220,460 lbs, Kobe
RUBBER COMP—1,800 lbs, President Taft, Hongkong
SOAP, TOILET—1,510 lbs, President Taft, Manila; 150 lbs, Kwansai, Tokio
SODA ASH—20 bbls, 6,000 lbs, Tweedbank, Manila; (Hauraki) 100 bgs, 22,400 lbs. Wellington; 270 bgs, 60,480 lbs, Christchurch; (Santa Rosa) 15 bgs., 3,000 lbs. La Libertad; 55 bgs, 11,000 lbs, Guayaquil
CAUSTIC—250 cs, 12,630 lbs, Tweedbank, Manila
SOLVENTS—185 dms, 66,230 lbs, San Jose, Havre; (Brasil) 30 dms, 10,980 lbs, Stockholm; 12 dms, 4,390 lbs, Helsingfors; 30 dms, 10,980 lbs, Abo; 12 dms, 4,300 lbs, Malmo; 102 dms, 37,330 lbs, London
TALC—70 bgs, 14,000 lbs, Hauraki, Wellington
TOILET PREPS—360 lbs, President Taft, Manila; 810 lbs. Kwansai, Tokio; 800 lbs, Waiotapu, Auckland; 3,000 lbs, San Jose, Paris; 400 lbs, Santa Rosa, Curacao

New Orleans Exports

Clearance Dates

Baja California, October 8; Blairmore, November 17; Blommersdijk, November 10; Contessa, October 26; Counsellor, November 5; Floride, November 5; Gansfjord, October 13; Gera, October 29; Lysefjord, October 20; Metapan, October 15; Newsome, October 13; Sinaloa, October 15; Sixaola, October 12, 22; Tivives, October 19

ASPHALT—150 dms, Lysefjord, Kingston; 303 dms, Sixaola, Guayaquil; 16 tons, Floride, Havre

BAKING POWDER—150 ctns, Tivives, Tela
BLACK, CARBON—(Gera) 1 ton, New Plymouth; 1 ton, Wellington; (Blommersdijk) 72 tons, London; 3 tons, Newcastle; 5 tons, Glasgow; 3 tons, Leith; 13 tons, Floride, Havre
BLUE VITRIOL—2,200 sks, Gansfjord, Porto Barrios
CALCIUM ARSENATE—(Metapan) 1,050 dms, Callao; 400 dms, Pisco
CARBIDE—500 dms, Metapan, Cristobal
CLAY—23 dms, Metapan, Valparaiso; 9 tons, Floride, Havre; 5 tons, Sixaola, Puerto Colombia
COALTAR—7 dms, Contessa, Corinto; 5 dms, Metapan, Cartagena
DISINFECTANT—2 tons, Sixaola, Cartagena
DRUGS—1 ton, Blommersdijk, London
FERTILIZER—30 sks, Newsome, Kingston
FIRECLAY—7 tons, Gera, Dunedin; 9 tons, Sixaola, Puerto Colombia; (Metapan) 54 tons, Havana; 9 tons, Puerto Colombia; 4 tons, Sixaola, Valparaiso
GASOLINE—20 dms, Baja California, Bluefields; (Gansfjord) 350 dms, 150 cs, Belize; 13 dms, Stann Creek; 300 bbls, Puerto Barrios; 856 dms, Newsome, Tela; 20 dms, Sinaloa, Bluefields
GLUCOSE—(Gera) 7 tons, Auckland; 10 tons, Wellington; 5 tons, Lyttelton
INK—15 dms, Metapan, Havana; 8 dms, Sixaola, Havana
KEROSENE—(Baja California) 5 cs, Swan Island; 200 cs, Bluefields; 50 cs, Sixaola, Puerto Barrios; 100 cs, Contessa, Puerto Cabezas; 50 cs, Metapan, Puerto Limon; 28 dms, 30 ctns, Sixaola, Puerto Limon
LARD—25 crts, Baja California, Bluefields; 30 tins, Gansfjord, Belize; 10 crts, Contessa, Puerto Cabezas; 100 dms, 13 crts, 500 tins, Newsome, Santiago; (Metapan) 1,875 tins, 50 crts, Havana; 100 tins, Puerto Limon; 50 tins, Puntarenas; 20 cs, Sinaloa, Bluefields; 200 tins, Tivives, Puerto Barrios; 390 crts, 350 tins, Lysefjord, Santiago; (Sixaola) 15 cs, 55 crts, 300 dms, 1,265 tins, Havana; 1,000 tins, Panama City; 1,100 tins, Puerto Limon
LEAD, RED—1 ton, Baja California, Bluefields
LIME—680 sx, Lysefjord, Kingston
OIL, COOKING—50 cs, Sixaola, Puerto Barrios; 200 cs, Metapan, Havana
COTTONSEED—150 dms, Metapan, Cristobal
CREOSOTE—6 dms, Lyselfjord, Kingston
FUEL—250 dms, Gansfjord, Belize; 70 dms, Sinaloa, Bluefields; 75 dms, Tivives, Puerto Barrios
GAS—30 dms, Gansfjord, Belize
LINSEED—4 dms, Contessa, Ceiba
LUBRICATING — 4 dms, Baja California, Bluefields; 18 dms, Contessa, Puerto Cabezas; 10 dms, 190 cs, Metapan, Panama City; 32 tons, Counsellor, Liverpool; (Gera) 9 tons, Auckland; 17 tons, Wellington; 2 dms, Sinaloa, Bluefields; 8 cs, Tivives, Tela; (Floride) 88 tons, Havre; 72 tons, Dunkirk
OLEO — 100 cs, Sixaola, Panama City
REFINED—(Gansfjord) 100 dms, 50 cs, Belize; 2 dms, Stann Creek; 100 cs, Metapan, Puerto Limon
PAINT — (Contessa) 41 cs, Buenaventura; 12 dms, Ceiba; 3 tons, Metapan, Buenaventura
PINETAR — (Metapan) 20 dms, Havana; 10 dms, Cartagena
PRESERVER, FOOD CANNING — 20 dms, Sixaola, Havana
WOOD—1 ton, Metapan, Havana
ROSIN—(Contessa) 200 bbls, Havana; 400 dms, Valparaiso; 200 sx, Metapan, Cartagena; (Gera) 28 tons, Auckland; 29 tons, Wellington; 2 tons, Lyttleton; 2 tons, Dunedin; 6 bbls, Sixaola, Pimentel
GUM—(Metapan) 10 dms, Puerto Colombia; 35 dms, Buenaventura; 150 dms, Sixaola, Buenaventura
WOOD—(Metapan) 100 dms, Havana; 30 dms, Puerto Limon; 10 dms, Sixaola, Panama
SALT—6 tons, Baja California, Bluefields; 22 tons, Gansfjord, Belize; 85 tons, Contessa, Havana; 25 tons, Metapan, Havana; 30 tons, Tivives, Puerto Barrios; (Lysefjord) 10 tons, Santiago; 5 tons, Kingston; 105 tons, Sixaola, Havana
SHRIMP BRAN—60 sx, Metapan, Panama; 40 sx, Sixaola, Cristobal
SOAP—150 ctns, Sinaloa, Bluefields
SODA, NITRATE — 10 sx, Sixaola, Cristobal
SOLVENTS—1 ton, Metapan, Buenaventura
STARCH, CORN—68 tons, Blommersdijk, Rotterdam
SULPHUR, CRUDE — 5,847 tons, Blairmore, Nantes
TOILET PREPS—1 ton, Contessa, Colon
TRIPOLI—14 tons, Floride, Havre
PULVERIZED — 10 sx, Sixaola, Havana
TURPENTINE — (Gera) 2 tons, Auckland; 2 tons, Wellington; 2 tons, Lyttleton
WAX—200 sx, Contessa, Puerto Colombia; 225 sx, Metapan, Puerto Limon

Norfolk Exports

Clearance Dates

Armanistan, November 8; Edam, November 9; Port Sydney, November 12

CORNFLOUR—432 bgs, 61,128 lbs, Port Sydney, London
MICA, GRD—40 bgs, 4,360 lbs, Edam, Amsterdam
TANNING EXTRACT—598 bgs, 89,700 lbs, Armanistan, Liverpool

Philadelphia Exports

Clearance Dates

Aller, November 12; Beemsterdijk, November 16; Black Condor, November 17; Challenger, November 15; City of Eastbourne, November 12; City of Manchester, November 15; Clan MacWhirter, November 16; Kertosono, November 15; Montreal City, November 13; Rydboholm, November 16; San Felipe, November 12; Sheridan, November 12; Stentor, November 12; Waukegan, November 17; Whitford Point, November 17

ACID, PHOSPHORIC—16 bbls, Rydboholm, Stockholm
AMMONIA, ANHYDR—4 cyls, San Felipe, Colima
CEMENT, GASKET—10 ctns, City of Eastbourne, Manila
RADIATOR — 15 ctns, City of Eastbourne, Manila
CHEMICAL SPECIALTY—560 bgs, Montreal City, Bristol
CLEANER—17 ctns, 1 cs, City of Eastbourne, Manila
PASTE—6 ctns, City of Eastbourne, Manila
COALTAR PROD—10 pkgs, Beemsterdijk, Rotterdam
COCOA CAKE—1,214 pkgs, Beemsterdijk, Amsterdam
WASTE—2,427 pkgs, Beemsterdijk, Amsterdam; 2,249 bgs, Black Condor, Amsterdam
COLORS, COALTAR—14 pkgs, Beemsterdijk, Rotterdam
DRUGS—2 bbls, Aller, Bremen
ETHYL FLUID—25 dms, Aller, Hamburg
GASOLINE—(Sheridan) 120 cs, Iquitos; 500 cs, Para; 300 cs, 200 dms, Maranhao; 2,000 cs, 700 dms, Ceara; 2,500 cs, Natal; 1,000 cs, Pernambuco; 2,000 cs, Bahia; 2,000 cs, Clan MacWhirter, Port Louis
GREASE, CODFISH—4 dms, Aller, Hamburg
LUBRICATING—2 dms, 32 cs, 1 bx, San Felipe, Bucaramanga; 2 dms, Sheridan, Bahia; 35 dms, City of Eastbourne, Manila; 4 pkgs, Beemsterdijk, Rotterdam; 15 dms, Black Condor, Antwerp
KEROSENE—(Sheridan) 120 cs, Iquitos; 2,000 cs, Para; 1,200 cs, Maranhao; 1,000 cs, Ceara; 1,000 cs, Natal; 3,000 cs, Pernambuco; 5,000 cs, Bahia; (Clan MacWhirter) 500 cs, Pointe de Galets; 1,400 cs, Port Louis; 200 cs, Whitford Point, Leticia
LARD—50 tierces, Waukegan, Manchester
LEATHER DRESSING—10 bbls, Aller, Hamburg
LICORICE PASTE—40 cs, Montreal City, Bristol; 21 cs, Clan McWhirter, Lourenco Marques; 20 cs, Waukegan, Glasgow; (Black Condor) 40 cs, Antwerp; 120 cs, Rotterdam
LINSEED CAKE—1,915 bgs, Aller, Hamburg; 1,805 kgs, Beemsterdijk, Rotterdam; 2,560 bgs, Waukegan, Liverpool; 1,196 bgs, Black Condor, Antwerp
MINERAL SPTS—10 cs, Sheridan, Bahia
OIL, FUEL—15 dms, Sheridan, Iquitos
LUBRICATING—(San Felipe) 135 dms, 2 qtr dms, Calloa; 3 dms, 1 qtr dm, Talara; 9 dms, 1 qtr dms, Mollendo; 5 dms, 1 qtr dms, Pisco; 100 dms, Santiago; 20 dms, 5 cs, Bucaramananga; (Stentor) 801 pkgs, Samarang; 562 pkgs, Sourabaya; 1,323 pkgs, Batavia; 37 pkgs, Sibolga; 655 pkgs, Medan; 260 pkgs, Palembang; 246 pkgs, Padang; 75 bbls, 412 dms, 371 cs, Singapore; 221 pkgs, Port Swettenham; 427 pkgs, Penang; 15 pkgs, Menado; 162 pkgs, Macassar; 240 pkgs, Bangkok; (Sheridan) 10 dms, Iquitos; 70 dms, Maranhao; 60 dms, 75 cs, 50 ctns, Pernambuco; 24 cs, 20 ctns, 40 dms, Maceio; 20 dms, 25 cs, 40 ctns, Bahia; (Aller) 1,501 bbls, 65 dms, 5,727 pkgs, Hamburg; 221 pkgs, Bremen; 170 bbls, 12 dms, Cardiff; (City of Eastbourne) 763 dms, 270 cs, 1 crt, Manila; 237 dms, 467 cs, Cebu; 308 dms, 118 cs, Darien; 1,166 pkgs, Beemsterdijk, Rotterdam; (Kertosono) 52 dms, 13 cs, 154 pkgs, Sourabaya; 2 pkgs, Medan; 3 pkgs, Samarang; 68 pkgs, Batavia; (Challenger) 562 pkgs, Mombasa, 30 pls, Zanzibar; 332 pkgs, Dar-es-Salaam; 50 pkgs, Tanga; (City of Manchester) 345 dms, Brisbane; 60 dms, 1,608 pkgs, Melbourne; 26 pkgs, Hobart; 20 pkgs, Launceston; 35 dms, 821 pkgs, Sydney; 6 pkgs, Port Perie; 22 pkgs, Adelaide, 113 pkgs, New Castle; (Clan Macwhirter) 509 dms, 430 cs, Port Elizabeth; 576 dms, 642 cs, East London; 552 dms, 441 cs, Durban; 545 cs, 446 dms, Capetown; 20 pkgs, Mossel Bay; 2,215 pkgs, Lourenco Marques; 290 dms, 1,012 cs, Beira; 1,769 pkgs, Pointes de Galets; 115 pkgs, Port Louis (Rydboholm) 20 bbls, Oslo; 85 dms, 225 pkgs, Stockholm; 15 pkgs, Gothenburg; 80 pkgs, Malmo; 15 dms, 23 pkgs, Norrkoping; 10 pkgs, Helsingborg; 35 pkgs, Sundsvall; 1,043 dms, 2,424 cs, Helsinki; 70 pkgs, Abo; 87 bbls, Waukegan, Manchester; (Whitford Point) 175 pkgs, Ceara; 300 pkgs, Paranagua; 40 pkgs, Pernambuco; 43 pkgs, 130 dms, 65 bbls, Black Condor, Antwerp
NEATSFOOT—1 dm, Black Condor, Rotterdam
TRANSFORMER—5 cs, Sheridan, Pernambuco
PAINT—1 dm, City of Eastbourne, Manila
PARAFFIN—432 bgs, 2,202 bbls, Aller, Hamburg; 252 bbls, Montreal City, Bristol; 126 bbls, City of Eastbourne; (Rydboholm) 10 bgs, Malmo; 83 bbls, Stugsund; (Waukegan) 100 bbls, Manchester; 210 bbls, Dublin; 200 bgs, Black Condor, Antwerp
REFINED—124 bbls, Aller, Hamburg
SCALE—10 bbls, Waukegan, Glasgow
SEMI REFD—50 bgs, San Felipe, Guayaquil
POLISH, AUTO—6 ctns, City of Eastbourne, Manila
SHOE—13 ctns, San Felipe, Panama City
RESIN, COALTAR—5 pkgs, Beemsterdijk, Rotterdam
RUBBER COMPOUNDING AGENTS—3 pkgs, Beemsterdijk, Rotterdam
SODA, HYDROSULPHITE—5 pkgs, Beemsterdijk, Rotterdam
SOAP, LAUNDRY — 300 bxs, Montreal City, Bristol; 6 cs, Kertosono, Bangkok; 300 bxs, Waukegan, Glasgow
TANNING, FINISH—31 bbls, 1 dm, City of Eastbourne, Manila
MATERIAL—9 bbls, City of Manchester, Sydney
TEXTILE COMP—1 dm, Aller, Hamburg

Port Arthur Exports

Clearance Dates

Gulfwax, November 7; Havprins, November 11; Marathon, November 8; Meline, November 12; Nore, November 8; Stelvio, November 11

GASOLINE—79,572 bbls, Stelvio, Santa Cruz de Teneriffe
OIL, FUEL—77,178 bbls, Nore, Teneriffe
PETROLEUM, CRUDE — 94,270 bbls, Gulfwax, Montreal; 80,769 bbls, Marathon, Montreal; 91,430 bbls, Havprins, Montreal; 76,508 bbls, Meline, Bordeaux

San Francisco Exports

Clearance Dates

Alaska Standard, October 28; Atago, October 31; Brasil, November 1; Canada, October 28; Chiriqui, October 29; Edward F Johnson, October 29; Elisabeth Bakke, November 1; Gregalia, November 1; Loch Katrine, November 4; New Zealand, October 30; Norse Lady, October 29; Ogura, October 28; Pacific Ranger, October 28; President Taft, October 30; San Jose, November 4; Santa Rosa, October 28; Seattle, November 1; Sepia, November 3; Silverguava, October 29; Steel Exporter, November 1; Tachibana, November 4; Taranger, October 30; Tatsuta, November 3; Tozan, November 5; Tweedbank, October 27

ACETONE—(Brasil) 248 dms, Stockholm; 36 dms, Oslo
ACID, BORIC—50 sks, Santa Rosa, Havana
NITRIC—1 cs, Santa Rosa, Guatemala City
SULPHURIC—15 crbys, Tweedbank, China; 5 crbys, Santa Rosa, San Salvador
ALCOHOL—4 cs, President Taft, Lubuggan
ALLSPICE—(Santa Rosa) 6 sks, Guayaquil; 1 dm, Cali
AMMONIA SULPHATE—10 sks, Santa Rosa, San Salvador; 15,000 sks, Silverguava, Manila
ANISE—1 sk, Santa Rosa, La Libertad
APRICOT KERNELS—200 sks, Canada, Copenhagen; 305 sks, Taranger, Holland; 250 sks, Steel Exporter, England; 100 sks, Brasil, Sweden; 100 sks, Seattle, Hamburg; (Loch Katrine) 125 sks, Holland; 50 sks, Netherlands; 25 sks, England
ASPHALT—25 bbls, President Taft, Manila; 10 dms, Atago, Callao; 96 bbls, Elisabeth Bakke, England; 358 sks, Steel Exporter, England
GILSONITE — 153 sks, Taranger, France; (Seattle) 90 sks, Antwerp; 347 sks, Hamburg
ATROPIN SULPHATE—50 bottles, President Taft, Hongkong
BENZOL—1 cs, Norse Lady, Noumea
BENZOLENE—10 dms, Norse Lady, Noumea
BLUE, LAUNDRY—40 cs, President Taft, Manila
BORAX—2 cs, Santa Rosa, Guatemala City; 100 kegs, Chiriqui, Bogota
BRONZING LIQUID—10 cs, President Taft, Yokohama
CALCIMINE—(Santa Rosa) 50 cs, Cali; 47 bbls, Bogota
CARBON, DECOLORIZING—5 cs, President Taft, Hongkong
CARBURIZING COMP—2 sks, Tweedbank, Philippine Islands
CATALYST RES—47 dms, Seattle, Antwerp
CEMENT, ASBESTOS—20 sks, Santa Rosa, Mazatlan
LINOLEUM—8 cs, Atago, Callao
RUBBER—1 cs, President Taft, Cebu
CHLORINE, LIQ—32 cyls, Tweedbank, Philippine Islands
CINNAMON—8 bls, Santa Rosa, La Libertad
CLOVES—(Santa Rosa) 5 sks, Guayaquil; 4 sks, La Libertad
COLOR, DRY—17 bbls, President Taft, Kobe
CONCENTRATES—101 dms, Tatsuta, Kobe
COCONUT—1 cs, Santa Rosa, La Libertad
CREAM TARTAR—1 bbl, Tatsuta, Yokohama
DRUGS—(Tweedbank) 7 cs, Philippine Islands; 5 cs, Hongkong; 26 cs, President Taft, Manila; 7 cs, Tatsuta, Tokyo
ENAMEL—4 pls, Santa Rosa, Guatemala; 4 cs, Norse Lady, Lae
FILTER PAPER—1 cs, Santa Rosa, Mazatlan
FIRECLAY—600 sks, President Taft, Manila
FLY SPRAY—1 cs, Norse Lady, Noumea; 12 cs, President Taft, Hongkong
FUNGICIDE—1 sk, President Taft, Manila
GASOLINE — 23,500 bbls, Ogura, Yokohama; (Norse Lady) 1,629 bbls, 2,000 cs, Lae; 1,200 cs, 80 bbls, Samarai; 490 bbls, 1,400 cs, Port Moresby; 1,350 bbls, 5,450 cs, Noumea; (New Zealand) 31,000 bbls, Melbourne; 69,500 bbls, Auckland; 10,000 dms, Tozan, Dairen
GINSENG ROOT — 3 bbls, President Taft, Bangkok
GLUCOSE—60 bbls, President Taft, Manila
GLUE—1 cs, Santa Rosa, Guatemala City
GLYCERIN — (President Taft) 1 cs, Hongkong; 25 cs, Manila
GREASE — 20 dms, Norse Lady, Noumea; (Tatsuta) 25 dms, Jinsen; 30 dms, Takao
GRINDELIA ROBUSTA — 50 bls, Gregalia, London; 6 bls, San Jose, France
HOPS—(President Taft) 10 cs, Yokohama; 4 cs, Hongkong
HYDROGEN, PEROXIDE—900 lbs, President Taft, Hongkong
INK, PRINTING—16 pls, 11 dms, President Taft, Hongkong
WRITING—(President Taft) 120 cs, Bankkok; 78 cs, Manila
INSECTICIDE—19 cs, Norse Lady, Noumea; 2 dms, President Taft, Manila
IODOFOAM—1 cs, President Taft, Hongkong
KEROSENE—(New Zealand) 8,000 bbls, Melbourne; 4,000 bbls, Auckland; 4,989 bbls, Edward F. Johnson, Auckland-Wellington-Dunedin
POWER—2,510 bbls, Edward F. Johnson, Auckland-Melbourne-Dunedin
LARD SUBSTITUTE—(Santa Rosa) 2 cs, La Libertad; 50 tins, Balboa; 2 dms, President Taft, Manila
LEAD, RED—100 kegs, Tweedbank, Philippine Islands
WHITE IN OIL—100 kegs, Tweedbank, Philippine Islands
LIMESTONE—7 sks, Chiriqui, Puerto Armuelles
LITHARGE—30 dms, President Taft, Manila
METHYL CHLORIDE—3 dms, Canada, London; 2 dms, Seattle, Antwerp
ETHYL KETONE—160 dms, Brasil, London; 127 dms, San Jose, France
MILK POWDER—(Santa Rosa) 5 bbls, La Libertad; 50 cs, La Guaira
SUGAR—150 bbls, Canada, London; 500 bbls, Pacific Ranger, Liverpool; 5 bbls, Steel Exporter, England
MOTOR SPTS—110,215 bbls, Edward F. Johnson, Auckland-Wellington-Dunedin
NUTMEGS—(Santa Rosa) 4 sks, La Libertad; 1 sk, Cali
OIL, COCONUT—(Santa Rosa) 6 dms, San Jose de Guatemala; 65 dms, Guayaquil; 5 dms, Chiriqui, Puerto Armuelles
DIESEL—14,011 bbls, Tweedbank, China; 1,620 bbls, Alaska Standard, Topolobampo; 2,473 bbls, Edward F. Johnson, Auckland-Wellington-Dunedin; 4,668 bbls, Norse Lady, Noumea
FISH—75 bls, Santa Rosa, Panama
FUEL—5,350 bbls, Alaska Standard, Topolobampo
LUBRICATING (Tweedbank) 850 dms, China; 2 cs, Philippine Islands; (Santa Rosa) 50 dms, Pimentel; 22 dms, Mazatlan; 2 cs, Guatemala City; (Norse Lady) 25 dms, Samarai; 25 cs, Port Moresby; 130 dms, 431 cs, Noumea; (Chiriqui) 20 dms, Kingston; 150 pls, 2 cs, Colon; (President Taft) 1 cs, Tokyo; 2 dms, Kobe; 50 cs, Cebu; 40 dms, Yokohama; 100 dms, Hongkong; 540 dms, Haiphong; 180 dms, Bangkok;
OIL, ROAD (Continued):—
20 dms, 70 cs, Manila; (Tatsuta) 150 dms, Yokohama; 160 dms, Jinsen; 55 dms, 150 cs, Fusan; 200 dms, Takao; 7,570 bbls, Sepia, Yokohama; 5 dms, San Jose, France
QUENCHING—2 dms, Tweedbank, Philippine Islands
SALAD — 50 dms, President Taft, Yokohama
TRANSFORMER—1 cs, President Taft, Manila
OXYGEN—7 cyls, Chiriqui, Puerto Armuelles
PAINT—17 cs, 5 dms, Tweedbank, Philippine Islands; (Santa Rosa) 8 pls, Guatemala; 6 cs, Mazatlan; 1 cs, Norse Lady, Noumea; 6 cs, President Taft, Manila; (Atago) 5 bbls, Manzanillo; 15 cs, 30 pls, Callao
PASTE—1 cs, President Taft, Manila
PARAFFIN—16 sks, Santa Rosa, La Libertad
PEPPER—(Santa Rosa) 22 sks, Guayaquil; 3 sks, La Libertad
PETROLEUM—50 cs, Norse Lady, Rabaul
CRUDE—20,962 bbls, Tachibana, Kawasaki-Hikishima
REFINED — (Norse Lady) 1,300 cs, Lautoka; 51,000 cs, Rabaul; 1,450 cs, Lae; 1,500 cs, Samarai; 1,205 cs, Port Moresby; 6,275 cs, Noumea
POLISH, AUTO—1 cs, Norse Lady, Noumea
FURNITURE — 4 cs, Tweedbank, Philippine Islands
METAL — 1 cs, Tweedbank, Philippine Islands
SHOE—1 cs, President Taft, Manila
POTASH — 1 bbl, Santa Rosa, San Jose de Guatemala
XANTHATE—25 dms, Chiriqui, Coquimbo
PRIMER, ASPHALT—10 dms, Chiriqui, Colon
PUTTY—20 kgs, Santa Rosa, Guatemala
SOAP FLAKE—12 cs, President Taft, Hongkong
LAUNDRY—1,500 cs, President Taft, Manila
SODA, BICARBONATE—9 kgs, Santa Rosa, San Salvador; 4 cs, Chiriqui, Panama
NITRATE—1 cs, Tweedbank, Philippine Islands
PHOSPHATE—1 bbl, Tweedbank, Philippine Islands
SILICATE—38 cans, President Taft, Hongkong
THIOSULPHATE—50 cs, President Taft, Hongkong
SOLVENT—1 cs, President Taft, Yokohama; 30 dms, Brasil, Helsingfors; (Loch Katrine) 2 cs, England; 285 dms, Holland
SULPHUR—221 sks, President Taft, Manila
REFINED—4 sks, Santa Rosa, La Libertad
TALC—9 sks, Loch Katrine, England
TALLOW—30 dms, Santa Rosa, Buenaventura
TOILET PREPS—(President Taft) 24 cs, Hongkong; 7 cs, Tokio; 21 cs, Yokohama; 8 bbls, 3 cs, Osaka; 1 cs, Manila; 4 cs, Santa Rosa, Guatemala City
VARNISH—4 dms, Tweedbank, Philippine Islands; 4 pls, Santa Rosa, Guatemala
WATER, MINERAL—300 cs, President Taft, Manila
WAX—5 cs, Santa Rosa, Lima; 2 cs, President Taft, Manila
ZINC DUST—35 cs, Chiriqui, Ciudad Bolivar

Savannah Exports

Clearance Dates

Ensley City, November 13; Shickshinny, November 13

COTTON LINTERS—25 bls, Shickshinny, London
DEER TONGUE LEAVES—36 bls, Shickshinny, Rotterdam
ROSIN, GUM—(Shickshinny) 350 bbls, London; 473 bbls, Rotterdam; 310 bbls, Antwerp; (Ensley City) 510 bbls, Bombay; 50 bbls, Madras; 300 bbls, Calcutta
TURPENTINE, GUM—(Shickshinny) 585 bbls, London; 725 bbls, Rotterdam; 888 bbls, Antwerp; 10 cs, Ensley City, Madras
WOOD—140 bbls, Shickshinny, London

Tampa Exports

Clearance Dates

Heddernheim, November 12; Laguna, November 12; Lucia C, November 16; Vinni, November 13; West Quechee, November 13; Youngstown, November 11

FERTILIZER—20 sks, Laguna, Belize
GASOLINE—2 dms, Laguna, Belize
PHOSPHATE—2,701 tons, Youngstown, Czechoslovakia; 6,669 tons, Heddernheim, Stettin; 3,001 tons, West Quechee, Pernis; 4,481 tons, Vinni, Yokohama; 2,198 tons, Lucia C, Venice

Coastwise Shipments

Corpus Christi Coast Trade

OIL, HEATING—62,229 bbls, Glenpool, Baytown
PETROLEUM, CRUDE—36,495 bbls, Spencer Kellogg, New York; 44,531 bbls, Dannedaike, Texas City; 51,676 bbls, Kekoskee, Elizabeth, N. J.; 143,630 bbls, W S Farish, Baytown; 73,108 bbls, Cities Service Ohio, Baytown; 109,806 bbls, Wm G Worden, Baytown; 70,174 bbls, Cities Service Koolmotor, Baytown; 78,207 bbls, Elisha Walker, Baytown

Galveston Coast Trade

SULPHUR—(Herman F Whitton) 1,650 tons, Portland; 1,000 tons, Coos Bay; 600 tons, Hoquim; 500 tons, Anacortes; 500 tons, Bellingham

Los Angeles Coast Trade

DISTILLATE—68,284 bbls, Paul Shoup, Avon
GASOLINE—66,923 bbls, Agwiworld, Portland; 57,957 bbls, Arizona, Portland; 7,468 bbls, San Diegan, San Diego; 17,100 bbls, La Purisima, San Diego; 7,118 bbls, Lebec, Portland; 14,796 bbls, La Purisima, Seattle; 6,368 bbls, San Diegan, San Diego; 31,795 bbls, Edwin B de Golio, Oakland
KEROSENE, DISTILLATE—726 bbls, San Diegan, San Diego; 5,539 bbls, Edwin B de Golio, Oakland
OIL, DIESEL—18,028 bbls, Agwiworld, Portland; 7,025 bbls, Emidio, Seattle; 2,320 bbls, San Diegan; 2,214 bbls, La Purisima, San Diego; 2,562 bbls, San Diegan, San Diego
FUEL—62,132 bbls, Emidio, Seattle; 60,000 bbls, Baldhill, Portland; 10,056 bbls, La Purisima, San Diego; 63,033 bbls, Lebec, Portland; 48,609 bbls, Topila, Richmond; 30,962 bbls, Brandywine, Tacoma; 33,473 bbls, La Purisima, Seattle; 55,106 bbls, Kanawha, San Diego; 2,000 bbls, Scotia, Eureka
ROAD—1,004 bbls, Brandywine, Tacoma
PETROLEUM, CRUDE—77,611 bbls, La Brea, Oleum
SOLVENT, CLEANING—4,356 bbls, La Purisima, Oleum

San Francisco Coast Trade

ACID—98 crbys, Ernes H Meyer, Portland, Ore
NAPHTHENIC—22 tons, Carolinian, Baltimore
SULPHURIC—96 crbys, Horace Luckenbach, Portland, Ore
ALBUMEN—242 cs, Pennsylvania, New York
ALUM—2,000 sks, Coast Shipper, Port Angeles
APRICOT KERNELS—10 tons, Texan, New York
19 tons, Nebraskan, New York
ASPHALT—75 bbls, Coast Shipper, Portland, Ore
BONE MEAL—3,000 sks, Josephine Lawrence, Seattle
BRISTLES—1,116 cs, Pennsylvania, New York
CANARY SEED—1 sk, Kansan, Seattle
CASSIA—300 bls, Pennsylvania, New York
CHLORINE BLEACH, LIQUID—322 cs, Carolinian, Charleston
700 cs, Peter Helms, Seattle
CINNAMON QUILLS—50 bls, Celilo, Los Angeles
CLAY, CALC—23 tons, Nebraskan, New York
COCONUT, DESIC—301 tons, 2,934 cs, Pennsylvania, New York
200 cs, Carolinian, Baltimore
200 cs, Carolinian, Norfolk
50 cs, Celilo, Los Angeles
260 cs, Jacob Luckenbach, Houston
479 cs, Jacob Luckenbach, New Orleans
125 cs, Absaroka, Baltimore
164 tons, Absaroka, Brooklyn
COLOR, EARTH—20 tons, Kentuckian, New York
DOGTAIL SEED—32 sks, Josephine Lawrence, Seattle
EGG YOLK, HEN, SPRAY—448 cs, Pennsylvania, New York
FUNGICIDE—2 dms, Kansan, Seattle
GINGER ROOT—10 cs, J L Luckenbach, Boston
250 cs, Pennsylvania, New York
20 cs, Celilo, Los Angeles
GLAUBER'S SALT—100 pkgs, Munami, Portland, Ore
14 tons, Carolinian, Norfolk

GREASE, LUBRICATING—31 tons, Texan, Port Newark
GUM, COPAL—135 sks, Pennsylvania, New York
HONEY—15 tons, Texan, New York
17 tons, Coast Shipper, Portland, Ore
34 tons, Kentuckian, Norfolk
INSECTICIDE—3 cs, Kansan, Seattle
LACQUER—5 cs, Indianan, Portland, Ore
LEAD ACETATE—1 kg, Kansan, Seattle
MAGNESITE—49 tons, J L Luckenbach, New York
MANURE, SHEEP—68 tons, Carolinian, Baltimore
MEDICINAL PREPS — 73 cs, Pennsylvania, New York
36 pkgs, Celilo, Los Angeles
MILK POWDER—33 tons, J L Luckenbach, New York
20 tons, Carolinian, Baltimore
SUGAR—30 tons, Kentuckian, Philadelphia
24 tons, Nebraskan, Philadelphia
MINERALS—300 sks, Peter Helms, Seattle
OIL—111 dms, 186 bbls, Wallingford, Seattle
150 tons, Wallingford, Point Wells
CASSIA—10 dms, Pennsylvania, New York
CHINAWOOD—700 dms, Pennsylvania, New York
31 tons, Edward Luckenbach, New York
EUCALYPTUS — 12 dms, Kentuckian, New York
HEATING—76,000 bbls, District of Columbia, New York
LUBRICATING—81 tons, Pennsylvania, New York
65 tons, Texan, Port Newark
21 tons, Carolinian, Baltimore
114 tons, Celilo, Los Angeles
15 tons, Munami, Portland, Ore
PEANUT—1 dm, Celilo, Los Angeles
SOAP—6 tons, Texan, Philadelphia
OLEOMARGARIN — 3,500 cs, Coast Shipper, Portland, Ore
2,900 cs, Munami, Portland, Ore
PAINT—3 cs, Indianan, Portland, Ore
510 pkgs, Wallingford, Seattle
30 tons, Celilo, Los Angeles
EARTH, DRY — 20 tons, Nebraskan, New York
QUICKSILVER—70 flsks, Texan, New York
SALT—2,085 sks, and 600 pkgs, Charles L Wheeler, Jr, Portland, Ore
887 pkgs, Coast Shipper, Portland, Ore
1,548 pkgs, Ernest H Meyer, Portland, Ore
750 sks, Josephine Lawrence, Seattle
1,190 pkgs, and 61 tons, Munami, Portland, Ore
3,000 pkgs, Peter Helms, Seattle
400 sks, Peter Helms, Tacoma
SEED—267 sks, Wallingford, Seattle
SESAME SEED—40 sks, Pennsylvania, New York
310 sks, Edward Luckenbach, New York
SOAP—600 cs, Charles L Wheeler, Jr., Portland, Ore
1 cs, Celilo, Los Angeles
745 pkgs, Peter Helms, Seattle
SODA CHLORIDE SOLUTION — 23 tons, Pennsylvania, New York
SILICATE — 50 dms, Horace Luckenbach, Tacoma
60 dms, Coast Shipper, Portland, Ore
SUNFLOWER SEED — 16 tons, J L Luckenbach, Philadelphia
22 tons, J L Luckenbach, Boston
1 sk, Kansan, Seattle
TALLOW—105 tons, Kentuckian, Boston
TOBACCO DUST — 20 tons, Absaroka, Norfolk
VARNISH REMOVER—2 cs, Indianan, Portland, Ore
WOLFRAM ORE — 190 sks, Pennsylvania, New York
XANTHATE — 32 tons, Kentuckian, New York

Cargo Ship Arrivals

November 20 to December 3

New York

Agwistar	Tampico*	Nov 29
Alberta	Fiume*	Nov 27
Amapala	La Ceiba	Nov 26
American	San Francisco*	Nov 24
American Banker	London	Nov 22
American Legion	Buenos Aires*	Dec 1
American Shipper	Liverpool*	Nov 29
American Tader	London*	Nov 29
Amor	Maracaibo*	Nov 29
Awobasan	Philippines*	Nov 24
Ayuruoca	Santos*	Nov 22
Basil	Bahia*	Dec 3
Berengaria	Southampton*	Nov 23
Black Falcon	Rotterdam*	Nov 28
Black Osprey	Rotterdam*	Nov 30
Borinquen	Trujillo*	Nov 22
Buenaventura	Cristobal	Nov 29
Calamares	Puerto Colombia*	Dec 1
Caledonia	Glasgow*	Nov 22
Cape York	Singapore*	Dec 2
Caracas	Maracaibo*	Dec 2
Cingalese Prince	Singapore*	Nov 26
City of Bath	Calcutta*	Nov 22
City of Elwood	Adelaide*	Dec 1
City of Flint	Hamburg*	Nov 26
Clement	Bahia*	Dec 2
Coamo	Trujillo*	Nov 29
Colombia	Puerto Colombia*	Nov 22
Comliebank	Calcutta*	Dec 2
Cristobal	Cristobal*	Nov 22
Cypria	Marseilles*	Nov 22
Edward Luckenbach	Seattle*	Nov 28
Emile Francqui	Antwerp	Nov 22
Europa	Bremen*	Nov 22
Examiner	Tangier*	Nov 29
Exchange	Istanbul*	Nov 27
Exochorda	Alexandria*	Nov 25
Fernlane	Naples*	Dec 1
Flora	Maracaibo*	Nov 22
Fort Amherst	St Pierre*	Nov 24
Fort Townshend	St Pierre*	Dec 2
Foylebank	Manila*	Nov 22
Gerolstein	Antwerp*	Dec 2
Gitano	Aberdeen	Nov 28
Giulia	Genoa*	Nov 24
Gunvor	Trinidad*	Nov 25
Haiti	Puerto Colombia*	Nov 29
Hamburg	Hamburg*	Dec 3
Heimgar	Port Said*	Nov 27
Helen Whittier	Honolulu	Nov 23
Hokkai	Hongkong*	Nov 24
Independence Hall	Havre*	Nov 28
J L Luckenbach	Seattle*	Nov 24
Jeff Davis	San Carlos*	Nov 30
Kentuckian	Portland*	Nov 30
Korsholm	Sundavall*	Nov 23
Kunikawa	Kobe*	Nov 30
Lafayette	Havre*	Dec 2
Lara	Maracaibo*	Nov 24
Loch Dee	London*	Nov 27
London Exchange	Rotterdam	Nov 25
Manhattan	Hamburg*	Nov 25
Mapia	Macassar*	Nov 30
Matra	Calcutta*	Dec 2
Munargo	Havana*	Nov 25
Nebraskan	Seattle*	Dec 2
Nerissa	Trinidad*	Dec 1
New Columbia	Freetown*	Nov 25
New York	Hamburg*	Nov 26
Nordkap	Port Alfred*	Nov 24
Norfolk	Manila*	Nov 28
Oranje Nassau	Amsterdam*	Nov 29
Oriente	Havana	Nov 30
Pennland	Antwerp*	Nov 23
Pennsylvania	San Francisco*	Nov 22
Penrith Castle	Batavia*	Nov 23
Platano	Puerto Barrios*	Nov 25
Ponce	Sanchez*	Nov 30
President Hayes	Honolulu*	Nov 30
Queen Mary	Southampton*	Nov 29
Quirigua	Port Limon*	Nov 28
Rex	Genoa*	Dec 2
Robert Luckenbach	Seattle*	Dec 1
Samaria	Liverpool*	Nov 22
San Juan	La Romana*	Nov 23
Santa Lucia	San Antonio*	Nov 29
Santa Paula	San Francisco*	Nov 30
Santa Rita	Antofagasta*	Nov 22
Seatrain Havana	New Orleans*	Nov 23
Seatrain New York	New Orleans*	Nov 30
Siboney	Vera Cruz*	Nov 23
Silveray	Batavia*	Nov 26
Tai Ping	Manila*	Dec 3
Tampa	Calcutta*	Nov 25
Texan	Seattle*	Nov 28
Toloa	Santa Marta*	Nov 24
Tonsbergfjord	Antwerp*	Nov 28
Vigilant	Gdynia	Dec 3
Vito	Kobe*	Nov 24
Vulcania	Trieste*	Nov 25
Wasgenwald	Hamburg	Nov 22
Waukegan	Glasgow*	Nov 27
Western Prince	Buenos Aires*	Nov 24
West Humhaw	Freetown	Nov 29
West Irmo	Accra*	Nov 22
Yucatan	Vera Cruz*	Nov 28

* And other ports

Recent Charters

COTTONSEED—475,000 cubic feet, S S Anna Bulgari, Alexandria to London, 20s per 60 cubic feet; November
MANGANESE ORE—8,000 tons, S S ——, Vizagapatam to Calais, 30s; February
9,500 tons, S S Rokos, Durban to Antwerp, Rotterdam, 23s 6d, f i o; December 20-January 10
ORE——— tons, S S ——, La Goulette to Dagenham, free discharge
7,100 tons, S S Andriotis, Poti to Boulogne or Calais, 19s; November-December
PETROLEUM—75,000 bbls, S S ——, clean, Gulf to North of Hatteras, 72½c bbl; November-December
—— tons, S S James Hawson, clean, Aruba to United Kingdom, 20s; January
9,500 tons, S S Fern, gas oil, Tampico to Antwerp, Hamburg, 21s 6d; December
11,500 tons, S S Stelvio, clean, Aruba to United Kingdom, Continent, 19s; December-January
10,000 tons, S S Orwell, gas oil, Batum to Continent, 21s 6d; December
2,500 tons, S S Riva Ligure, clean, Constanza to Venice, 21s; November
10,000 tons, S S Evita, clean, Abadan to United Kingdom; December-January
14,500 tons, S S Petter, Aruba to United Kingdom, Continent, 16s 6d; December
10,500 tons, S S Clydefield, dirty, Gulf to United Kingdom, Continent, 19s; December
9,000 tons, S S Virgilia, clean, Gulf to French Atlantic, 24s; January
10,500 tons, S S Teddy, dirty, Aruba to United Kingdom, Continent, 16s 6d; December
10,000 tons, S S Britta, dirty, Aruba to United Kingdom, Continent, 16s 6d; December
9,500 tons, S S Gylfe, dirty, Aruba to United Kingdom, Continent, 16s 6d; December
8,000 tons, S S Bueston, clean, Aruba to United Kingdom, Continent, 19s; December
10,000 tons, S S Lunula, clean, Aruba to United Kingdom, Continent, 19s; December
6,000 tons, S S Ruth, clean, Aruba to United Kingdom, Continent, 19s; December
8,000 tons, S S Solsten, clean, Aruba to United Kingdom, Continent, 19s; December
4,700 tons, S S Guiseppina Ghirardi, two trips, Constanza to Italy, 13s; November
12,500 tons, S S Solheim, dirty, California to China, 27s; December
6,500 tons, S S Burlington, fuel oil, Batoum to Algiers, 12s 6d; December
9,500 tons, S S Chr Th Boe, dirty, Aruba to West Italy, 19s 3d; first half December
9,500 tons, S S Strix, clean, Gulf to French Atlantic, 25s 6d; January
12,500 tons, S S Orwell, gas oil, Aruba to Hamburg, 17s; January
—— tons, three steamers, dirty, Aruba to United Kingdom, Continent, 16s 6d; December
9,500 tons, S S Pelk, gas oil, Tampico to Continent, 21s 9d; February
14,500 tons, S S Varanger, dirty, Haifa to Continent, 12s 6d; December
13,000 bbls, S S Hoegh Ray, clean, Aruba to United Kingdom, Continent, 19s; January
7,000 tons, S S Woensdrecht, clean, Aruba to United Kingdom, Continent, 20s; option Gulf, 24s; January-February
—— tons, S S ——, Aruba to West Italy, 19s; December
9,500 tons, S S John P Pedersen, Gulf to Flushing, 18s; January
9,000 tons, S S Anna Maersk, Aruba to United Kingdom, Continent, 27s 6d; January
PHOSPHATE—3,200 tons, S S ——, Sfax to Rouen, 16s 6d; November-December
4,000 tons, S S ——, Sfax to Nantes, 16s 6d; November

Imports Detained

Detentions recently effected at various ports by United States authorities on determinations by the Food and Drug Administration that products offered for import were adulterated or misbranded under the Federal food and drugs act or did not comply with other customs regulations included the following articles for the reasons stated:—

New York

Week Ended November 23

Aloe, 100 cases; excessive acid insoluble ash and moisture.
Anise, 253 bags; filthy.
Balsam, 16 cases; restricted use.
Caffeine and sodium benzoate, Ampoules, 2 cases; not N. F.
Caraway seed, 100 bags; filthy.
Cassia oil, 20 drums; contains rosin and heavy metals.
Codliver oil, 300 drums; restricted use.
Coriander seed, 300 bags; filthy.
Desiccated ovary, 25 boxes; deficient in active principle.
Digitalis leaves, 14 cases; contains excessive moisture.
Estrogenic preparation, 2 cases; substandard.
Eucalyptus Oil, 20 drums; restricted use.
Marjoram leaves, 48 bales; filthy.
Medicinal preparations, 3 cases; false therapeutic claims.
Medicinal preparations, 2 cases; false therapeutic claims; contains radium.
Medicinal preparations, 1 case; false and misleading statements.
Orange flower water, 99 carboys; excessive non-volatile residue.
Pollack liver oil, 35 drums; restricted use.
Sesame seed, 50 bags; damaged by water.

Baltimore

Week Ended November 23

Medicinal preparation, 2 cases; false therapeutic claims.

Boston

Week Ended November 23

Carob beans, 50 cases; wormy.

Buffalo

Week Ended November 23

Medicinal preparation, 1 case; false therapeutic claims.

Denver

Week Ended November 18

Medicinal preparations, 14 pieces; alcohol not declared. Medicinal preparations, 30 pieces; acetphenetidin not declared. Medicinal preparations, 8 pieces; false therapeutic claims.

Los Angeles

Week Ended November 18

Insecticide, 112 bbls; incorrect ingredient statement.

Philadelphia

Week Ended November 23

Medicinal preparation, 2 cases; false therapeutic claims.

San Francisco

Week Ended November 18

Insecticide, 20 tins; incorrect ingredient statement.

Foreign Trade Openings

Correspondence in regard to any of the following foreign trade opportunities should be addressed to the Bureau of Foreign and Domestic Commerce, Washington, or to any district or cooperative branch office of the bureau, and not to this publication. When writing, give the number of the item:—

Bitumen:—Agency, Alexandria, Egypt (4687).

Coaltar Products and Intermediates: — Purchase and agency, Brussels, Belgium (4697).

Coconut Oil, Hardened, Packing Machinery: — Purchase, Bergen, Norway (4670).

Crude Oil, Fuel Oil and Diesel Oil:—Agency, Rio de Janeiro, Brazil (4658).

Fine Chemicals; Synthetics and Essential Oils:—Agency, Liverpool, England (4698).

Lard Compound Mixing and Packing Machinery:—Purchase, Bergen, Norway (4670).

Lithopone, Titanium, Whiting and Zinc and Lead Oxides:—Agency, Durban, South Africa (4695).

Mayonnaise Mixing and Packing Machinery: — Purchase, Bergen, Norway (4670).

Paints and Paint Materials: — Purchase and Agency, Lima, Peru (4655).

Sulphuric Acid Manufacturing Plant: — Purchase, Concepcion, Chile (4664).

Whale Oil Cargo Seized at Norfolk

(Continued from page 3)

If the seizure is upheld, it will mean that only American-flag tankers may engage in the business of transshipping whale oil from American whaling ships to American ports, but the Association of American Producers of Domestic Inedible Fats has begun a campaign for legislation to change the definition of American fisheries to prevent whaling operations of this sort from being carried on with the assistance of killer boats of foreign registry even though the mother ships fly the American flag. An attempt will be made to have such legislation incorporated in the forthcoming revision of the tax laws.

Cottonseed Meal Exempt From Alabama Sales Tax

BIRMINGHAM, Ala., Nov. 16, 1937.

The State sales tax does not apply to cottonseed meal used for fertilizer, it was held in an opinion rendered to Probate Judge S. P. Poyner, of Houston county, by the office of Attorney-General Albert A. Carmichael. In his request for a ruling on the subject, Judge Poyner said quite a lot of cottonseed meal was used as fertilizer, and since fertilizer was exempt from the two percent sales tax, he wished to be advised if cottonseed meal bought to be used as fertilizer was also exempt.

It is a widespread custom, he said, to swap cottonseed at the gin for cottonseed meal, the ginner taking the seed and swapping it to the oil mills for the meal and, in turn, swapping the meal to the farmer for his seed. Cottonseed being exempt from the sales tax, he wanted to know if ginners were permitted to make the exchange with farmers without collecting a sales tax on the meal.

Fish Plant Has $325,000 Fire

The Union Fish Company, Belvedere, Cal., sustained damage estimated at $325,000 by fire, November 4, which swept through the codfish plant. Huge vats of fish oil—about the size of an ordinary five-room house—and fifty-gallon drums of oil, exploded, spreading flaming liquid over the plant.

Obituaries

(Continued from page 52)

Company and an authority in the smelting and refining field for many years, died November 19 in his home in this city after an illness of two weeks. He was sixty-one years old. Mr. Lissberger was president of the Summerville Iron works; chairman of the board of the United Zinc Smelting Corporation; a director of the American Smelting & Refining Company, and of the American Zinc Institute, and a member of the Commodity Exchange. Surviving are his wife, two brothers, and two daughters.

Edward Lee Marsh

Edward Lee Marsh, formerly secretary and treasurer of the United States Gypsum Company, and a director for the last nine years, died in his home in Old Lyme, Conn., November 21. He was fifty-seven years old. Born in Sandusky, Ohio, Mr. Marsh was graduated from St. Paul's School, Concord, N. H., and Sheffield Scientific School, Yale University. Surviving are his wife, two daughters, and a son.

Taylor William Anstead, consultant chemist affiliated many years with printing-ink concerns, died November 21, in his home in East Orange, N. J., of a heart ailment. He was forty-seven years old. He was a graduate of the University of Cincinnati, and served overseas in infantry during the World War. Surviving are his wife, his mother, and a sister.

James M. Beatty, president of the Federal Glass Company, Columbus, Ohio, died November 23, of bronchial pneumonia. His family had been identified with the glass industry for nearly a century.

Frederick H. Daland, president of Daland & Co., wholesale soap distributor, this city, died in St. John's Riverside hospital, Yonkers, N. Y., November 21. He was seventy years old. Surviving are his wife and two sisters.

George E. Gaddis, executive in the sales department of the American Can Company, died in the Overbrook hospital, Summit, N. J., November 25, after an illness of several months. He was a native of Carlock, Ill. As a young man he was with Rand, McNally & Co.. and in 1901 came to New York as credit manager for the American Can Company, which office he held until 1935, when he was made an executive in the sales department. Surviving are his wife, Mrs. Alice Hazen Gaddis, two daughters, two sisters and a brother.

Miss Gertrude Glidden, daughter of the late Francis Harrington Glidden, founder of the Glidden Varnish Company in Cleveland, Ohio, in 1870, died in her home in that city November 20, after a year's illness. Surviving are her sister, Mrs. Eugene Quigley, and a brother Joseph F. Glidden, now president of the Varnish Products Company, Cleveland.

Robert A. Matthews, comptroller of the Cincinnati branch of the National Lead Company, died in that city November 19. He was sixty-six years old. Mr. Matthews had been connected with the company for forty-one years. He had been active in the Cincinnati Paint, Varnish and Lacquer Association and other business and civic organizations. Surviving are his wife and a sister.

James Remus Wright, a retired physicist, who was employed for twelve years by the Standard Oil Development Company, subsidiary of the Standard Oil Company of New Jersey, died of a heart attack, at Hartsdale, N. Y., November 25. He had retired from the development company two years ago. Surviving are his wife, two brothers, and two sisters.

Informative Booklets

Ask the Oil, Paint and Drug Reporter, 12 Gold Street, New York, for any of the following booklets you may want; simply send the numbers on a postcard. Copies will be sent to you without charge.

Ammonia:—"Anhydrous Ammonia," issued by the Pennsylvania Salt Manufacturing Company, is a new bulletin giving useful information on aqua and anhydrous ammonia, with particular reference to effective handling, first aid, and other pertinent data. **(559)**

Equipment:—"Haynes Stellite Products in the Oil Fields," published by the Haynes Stellite Company, unit of the Union Carbide & Carbon Corporation, is a revised edition of this booklet and describes in detail the complete procedure for hard-facing and hard-setting oil well bits with "Haystellite," the cast tungsten-carbide diamond substitute. It also presents many examples of the excellent performance of bits hard-faced and hard-set with "Haystellite." Recent additions to the booklet include a section on Haynes Stellite J-Metal cutting tools, giving the specifications of these tools as well as briefly describing recommended practices for using them, and a new section devoted to the corrosion-resistant Hastelloy alloys. **(560)**

Equipment:—The Karl Kiefer Machine Company has issued a leaflet illustrating and describing its new "Two-Stream Vari-Visco" filling machine for paints and similar products. The company claims for it, top production, up to 150 containers a minute; neatly filled to fine accuracy without splash, drip, waste, or mess. All the operator does is to load the jars on the feed conveyor; the rest is automatic from start to finish. **(561)**

Equipment:—"Chemical and Industrial Equipment," is a new catalogue published by the Read Machinery Company, describing the organization's complete line of chemical mixers, acetylators, blenders, dry ingredient material handling equipment and others. The catalogue is illustrated to show each type of machine and its particular adaptation. **(562)**

Filters:—"Norblo Square Type Air Filter," is the title of a bulletin issued by the Northern Blower Company, illustrating and describing the company's square type air filters. These filters, like the round filters, are automatic and designed for continuous service. They are built up in compartments, each furnished with an efficient shaking and air reversing mechanism to keep the filtering cloth clean at all times. These filters are recommended by the company for all difficult dust problems, such as encountered in the smelting industry, cement mills, pulverized plants, and others. **(563)**

Operating:—"Bulletin Number 41," is a compilation of operating data put out by the Hardinge Company on grinding and pulverizing, scrubbing and washing, classifying and separating, thickening and clarifying, feeding and weighing, and drying and calcining. The method covered embraces operations where balls, pebbles or rods in a drum, grind the material fed in at one end and discharged at the other, either wet or dry. **(564)**

Packaging: — "Successful Packages, Volume No. 3," is the latest presentation by the Continental Can Company of its direct color advertising. It presents a cross-section of the year's outstanding packages. **(565)**

Packaging:—"How to Pack It," is the title of a brochure published by the Hinde & Dauch Paper Company. No fewer than twenty-five "fundamental" types of corrugated shipping boxes are briefly described and illustrated with actual photographs of actual boxes. The booklet is a part of the Hinde & Dauch sponsored plan to promote better packaging by making latest packaging developments available to users of shipping boxes. **(566)**

Painting Equipment:—The DeVilbiss Company has issued a new general catalogue covering complete spray painting equipment for interior and exterior painting, automobile refinishing, and equipment for automotive service, as well as aid and fluid hose and other DeVilbiss specialties. Related or similar items in the DeVilbiss line have been grouped for easy reference, and an alphabetical index is in the front of the catalogue. **(567)**

Perfumery Products:—"Agfa Perfumery Products and Their Uses," published by the Agfa Aromatic Division of the General Drug Company, is a forty-page booklet and covers alumnol, amylmetacresol, artificial essential oils, bath preparations, colloresin F.S., cream odors, cremolin, depilatory bouquets, dusting powders, essences for toilet waters, face powders and compact odors, face powder base Z, fancy perfume oils, fixateur resin, and flower oils. **(568)**

Pest Control:—"Red Squills, Nature's Destructive Agent for Rats," is the title of a new booklet issued by S. B. Penick & Co., giving comprehensive information on this product for the elimination of rats. Red squill powders may be used without danger of poisoning domestic animals around farms, homes, and other structures where domestic animals are kept. Tests on human beings show that there is very little danger of poisoning from red squill. The United States Department of Agriculture, the booklet states, in its efforts on behalf of public health, has recommended the use of oven-dried red squills to replace various poisonous rat control materials. **(569)**

Pharmaceutical Equipment:—The F. J. Stokes Machine Company has published a new catalogue of pharmaceutical equipment, picturing and describing Stokes equipment of various types, including a number of new and improved tablet making machines, ranging from the smallest hand or power operated models to the high speed rotary models with production up to more than 1,500 tablets per minute, as well as such pharmaceutical equipment as mixers, portable drug mills, and oscillating granulators. **(570)**

Pigments:—The Krebs Pigment & Color Corporation, subsidiary of E. I. du Pont de Nemours & Co., has issued a booklet devoted to "Ti-Tint," a tinted titanium dioxide pigment for colored exterior paints. The publication summarizes the properties of titanium dioxide pigments, describing the nature of the tinted product, which has been made available in buff and gray. Its primary purpose in keeping exterior paints from fading is likewise discussed. **(571)**

Soap Perfuming:—The Givaudan Delawanna Company's monthly publication Givaudanian, in a recent issue, carries an illustrated feature on "What Not to Do in Soap Perfuming." Also in the issue are articles on "Fly Spray Odors for Next Spring Need Study Now," and "Cetyl Alcohol, the Answer to Many Problems." **(572)**

Solvents:—"Dipentene No. 122," issued by the Hercules Powder Company, is a small folder describing this product, which is especially recommended as a solvent in varnishes containing synthetic resins. It has been found to reduce skinning and jelling in varnishes made from synthetic resins of practically all types now in general use. It is claimed to be of particular value in short oil varnishes made from phenolic resins. **(573)**

(To be continued)

Frank H. Totman, vice-president of the Summers Fertilizer Company, Baltimore, who has been critically ill with pneumonia and complications, is now recovering in the Union Memorial hospital, that city.

Cottonseed Statistics: August-October

Cottonseed received at mills, crushed and held, and cottonseed products manufactured, shipped out, and held, August 1 to October 31, 1937, and 1936, amounted, according to the Bureau of Census, to the following quantities:—

Cottonseed

Received, Crushed and Held

	Received at mills* Aug. 1 to Oct. 31.		Crushed Aug. 1 to Oct. 31.		On hand at mills Oct. 31,	
	Tons					
	1937.	1936.	1937.	1936.	1937.	1936.
United States	3,374,986	2,724,374	1,936,899	1,444,693	1,480,481	1,301,607
Alabama	224,643	198,984	156,905	129,405	68,019	70,296
Arkansas	353,305	291,709	159,946	128,846	193,743	163,489
California	99,188	73,741	39,707	30,400	64,949	44,449
Georgia	294,818	232,694	220,040	165,232	77,106	69,339
Louisiana	184,538	174,180	108,825	92,961	75,917	82,893
Mississippi	563,194	603,200	253,567	220,584	317,912	384,652
North Carolina	128,156	96,436	73,223	64,757	55,344	32,369
Oklahoma	124,284	42,035	84,570	24,649	40,216	18,441
South Carolina	115,601	87,995	85,360	68,289	30,891	20,891
Tennessee	211,447	247,821	107,140	100,169	104,720	148,463
Texas	979,482	593,016	602,492	378,049	399,862	224,843
All other states	96,330	82,563	45,124	41,352	51,802	41,482

* Includes seed destroyed at mills but not 42,394 tons and 21,926 tons on hand August 1, nor 29,453 tons and 25,275 tons reshipped for 1937 and 1936, respectively.

Cottonseed Products

Manufactured, Shipped Out, and Held

	On hand August 1.	Produced Aug. 1 to Oct. 31.	Shipped out Aug. 1 to Oct. 31.	On hand Oct. 31.
Crude oil, pounds—				
1937-1938	*11,141,266	573,358,088	497,961,272	*155,547,539
1936-1937	19,191,508	430,257,248	382,093,862	123,006,689
Refined oil, pounds—				
1937-1938	†441,052,343	‡369,678,656	.....	†332,260,347
1936-1937	318,873,305	294,353,475	.....	310,252,636
Cake and meal, tons—				
1937-1938	41,952	854,288	759,698	136,542
1936-1937	65,053	644,804	517,772	192,085
Hulls, tons—				
1937-1938	43,422	501,594	441,684	103,332
1936-1937	23,893	372,214	277,826	118,281
Linters, running bales—				
1937-1938	61,547	437,341	249,357	249,531
1936-1937	43,819	344,289	263,735	124,373
Hull fiber, 500-lb. bales—				
1937-1938	1,828	17,750	4,203	15,375
1936-1937	88	11,770	8,136	3,722
Grabbots, motes, etc., 500-lb. bales—				
1937-1938	7,379	21,321	8,100	20,600
1936-1937	2,991	13,989	7,995	8,985

* Includes 4,272,188 and 38,420,065 pounds held by refining and manufacturing establishments and 4,369,480 and 39,231,060 pounds in transit to refiners and consumers, August 1, 1937, and October 31, 1937, respectively.

† Includes 13,349,453 and 9,650,507 pounds held by refiners, brokers, agents, and warehousemen at places other than refineries and manufacturing establishments, and 7,957,878 and 10,505,185 pounds in transit to manufacturers of lard substitute, oleomargarine, soap, etc., August 1, 1937, and October 31, 1937, respectively.

‡ Produced from 398,084,652 pounds of crude oil.

Exports and Imports for Two Months Ended Sept. 30

	1937.	1936.
Exports—		
Oil, crude, pounds	64,418	24,974
Oil, refined, pounds	824,603	411,227
Cake and meal, tons of 2,000 pounds	9,281	1,054
Linters, running bales	37,376	23,386
Imports—		
Oil, crude, pounds	.....	839,418
Oil, refined, pounds	*19,644,616	23,955,291
Cake and meal, tons of 2,000 pounds	595	3,170
Linters, bales of 500 pounds	2,766	9,626

* Amounts for October not included above are 873,054 pounds refined, "entered directly for consumption," and 100,148 refined, "withdrawn from warehouse for consumption." No oil was "entered directly into warehouse."

Current Market Quotations

(Continued from page 21)

Zinc Cyanide—Zirconium

Zinc, cyanide, kgs., works	lb.	.36. - .38
Dust, bbls., c.l., dlvd	lb.	.0765- —
l.c.l., bbls., dlvd	lb.	.0825- —
Fluoride, bbls	lb.	.20 - .25
Iodide, N.F., bots	lb.	4.15 - —
jars	lb.	4.00 - —
Metal (see daily quotations in report)		Market re-
Oxide, pigment, dom., Amer., process, coml., lead-free, bgs., c.l., dlvd	lb.	.06¼- .07½
l.c.l., dlvd., except Pac. cst.	lb.	.06½- .07¾
ex whse., Pac. cst., lb.		.06¼- .07¾
bbls., c.l., dlvd	lb.	.06½- .07¾
l.c.l., dlvd., except Pac. cst.	lb.	.06¾- .08
ex whse., Pac. cst.	lb.	.06¾- .08
leaded, 5%, bgs., c.l., dlvd.	lb.	.06¼- —
l.c.l., dlvd., except Pac. cst.	lb.	.06¾- —
ex whse., Pac. cs.	lb.	.06¾- —
bbls., c.l., dlvd	lb.	.06¾- —
l.c.l., dlvd., except Pac. cst.	lb.	.06¾- —
ex whse., Pac.cst.	lb.	.06¾- —
35%, bgs., c.l., dlvd.	lb.	.06¼- —
l.c.l., dlvd., except Pac. cst.	lb.	.06¼- —
ex whse., Pac. cst.	lb.	.06½- —
bbls., c.l., dlvd	lb.	.06¼- —
l.c.l., dlvd., except Pac. cst.	lb.	.06¾- —
ex whse., Pac. cst.	lb.	.06¾- —
50%, bgs., c.l., dlvd.	lb.	.06¼- —
l.c.l., dlvd., except Pac. cst.	lb.	.06¾- —
ex whse., Pac. cst.	lb.	.06¾- —
bbls., c.l., dlvd	lb.	.06¾- —
l.c.l., dlvd., except Pac. cst.	lb.	.06¾- —
ex whse., Pac. cst.	lb.	.06¾- —
French process, coml., lead-free, bgs., c.l., dlvd.	lb.	.06¼- .07½
l.c.l., dlvd., except Pac. cst.	lb.	.06½- .07¾
ex whse., Pac. cst.	lb.	.06½- .07¾
bbls., c.l., dlvd	lb.	.06½- .07¾
l.c.l., dlvd., except Pac. cst.	lb.	.06¾- .08
ex whse., Pac. cst.	lb.	.06¾- .08
green seal, bgs., c.l., dlvd.	lb.	.08 - -
l.c.l., dlvd., except Pac. cst.	lb.	.08¼- —
ex whse., Pac. cst.	lb.	.08¼- —
bbls., c.l., dlvd	lb.	.08¼- —
l.c.l., dlvd., except Pac. cst.	lb.	.08¼- —
ex whse., Pac. cst.	lb.	.08¼- —
red seal, bgs., c.l., dlvd.	lb.	.07½- —
l.c.l., dlvd., except Pac. cst.	lb.	.07¾- —
ex whse., Pac. cst.	lb.	.07¾- —
bbls., c.l., dlvd	lb.	.07¾- —
l.c.l., dlvd., except Pac. cst.	lb.	.08 - —
ex whse., Pac. cst.	lb.	.08 - —
white seal, bgs., c.l., dlvd.	lb.	.08½- —
l.c.l., dlvd., except Pac. cst.	lb.	.08¾- —
ex whse., Pac. cst.	lb.	.08¾- —
bbls., c.l., dlvd	lb.	.08¾- —
l.c.l., dlvd., except Pac. cst.	lb.	.09 - —
ex whse., Pac. cst.	lb.	.09 - —
import., gold seal, cks. ex whse.	lb.	.13 - .14
green seal, bbls., ex whse.,	lb.	.10 - —
white seal, cks., ex whse.,	lb.	.11 - .13½
Oxide, USP, bbls., c.l.	lb.	.09¼- —
Palmitate, bbls.	lb.	.23 - .36
Resinate, fused, pale, bbls.	lb.	.10 - —
precip., dms., dlvd.	lb.	.15 - —
Stearate, tech., precip., bbls., ctns., c.l.	lb.	.20 - —
l.c.l., 1 ton	lb.	.21 - —
1,000-2,000 lbs.	lb.	.22 - —
less than 1,000 lbs.	lb.	.28 - —
USP, bbls.	lb.	.21 - —
Sulphate, cryst., bgs., c.l.	100 lbs.	3.15 - —
l.c.l.	100 lbs.	3.90 - —
bbls., c.l.	100 lbs.	3.30 - —
l.c.l.	100 lbs.	4.00 - —
flake, bgs., c.l.	100 lbs.	3.00 - —
l.c.l.	100 lbs.	4.35 - —
bbls., c.l.	100 lbs.	3.75 - —
l.c.l.	100 lbs.	4.50 - —
powd., bgs., c.l.	100 lbs.	5.00 - —
l.c.l.	100 lbs.	5.75 - —
bbls., c.l.	100 lbs.	5.15 - —
l.c.l.	100 lbs.	5.90 - —
Sulphide, bgs., c.l. (20 tons), dlvd.	lb.	.09 - —
l.c.l., dlvd. E. or ex whse., Pac. cst.	lb.	.09¼- —
bbls., c.l., (20 tons), dlvd.	lb.	.09¼- —
l.c.l., dlvd. E. or ex whse., Pac. cst.	lb.	.09½- —
Sulphocarbolate, NF, bbls.	lb.	.24 - .26
Zinc-ammonia chloride, dms., c.l., works.	100 lbs.	5.15 - —
l.c.l., works	100 lbs.	5.50 - —
Zinc-iron oxide, pigment, bgs., c.l., dlvd.	lb.	.05 - —
l.c.l., dlvd. except Pac. cst.	lb.	.05½- —
ex whse., Pac. cst.	lb.	.05½- —
Zirconium nitrate, kgs., works.	lb.	3.00 - 4.00
Oxide, crude, 73-75%, grd., bbls., works.	ton.	75.00 -100.00
kgs., small lots, works.	lb.	.04¼- .04¾
white, 98%, grd., kgs., works.	lb.	1.40 - 1.60

Synthetic Resins and other Branded Paint Materials

(Manufacturers' List Prices)

Note:—The list of prices previously printed weekly under the above heading is now printed once a month. The latest printing was in the November 1 issue; the next printing will be in the December 6 issue. Changes in prices—if any—made during the past week are noted in the report on the Paint, Varnish, and Lacquer Materials Market, which begins on page 35.

Business Wants and Offers

Minimum rate (36 words), without display, $2.00 per insertion; 25c for each additional 6 words

Payable in advance at 12 Gold Street, New York

Agencies Wanted

ACTIVE FIRM established London require exclusive first class agency for United Kingdom. Raw material and/or bulk merchandise preferred. Retail products not of interest. Details to: BOX 544, Oil, Paint and Drug Reporter.

Agents Wanted

REPRESENTATIVE WANTED by manufacturers of pyrethrum extract. Opportunity for a good salesman to become the number one man in a growing organization. BOX 540, Oil, Paint and Drug Reporter.

Building Offered

BRICK BUILDING—one story 50x90, concrete floor, sprinkler system, live steam available 24 hours per day, railroad siding. Unrestricted district Brooklyn, low rent. The R. L. Kraft Company, Woolworth Building. COrtlandt 7-9377.

Equipment Offered

FROM THE $10,000,000 Spreckles liquidation—Three No. 4 Vallez rotary filters; 42-inch cast iron; 40 A. T. & M. 40-inch bronze basket centrifugal machines arranged in batteries of 3, 4, 6 and 8; 1 Swenson triple effect evaporator, copper tubes, 2,000 sq. ft. per effect; 120 motors, 5 h.p. to 150 h.p., 3 phase, 60 cycles, 220 volts; 150 tons valves and fittings; miscellaneous vacuum, centrifugal and steam pumps; compressors, engines; 9 Heine water tube boilers, 500 h.p. each, 180 lb. pressure, with Murphy automatic stokers; 50 bucket elevators; 150 steel storage tanks, 500 gals. to 10,000 gals.; 15 horizontal jacketed, closed mixing tanks, 5,000 to 10,000 gallons each; miscellaneous screw and belt conveyors, etc. Send us your inquiries. Arrange to visit plant. Consolidated Products-Spreckles Liquidation, Yonkers, N. Y. Telephone: Yonkers 2400.

FOR SALE—Two 6x8 pebble mills, 16x40 roller mills, 12x30 roller mills, 9x24 roller mills, 15 to 40-gallon pony mixers, lead mixers. Sell us your surplus equipment. Irving Barcan Company, 30 Church street, New York City.

FIND WHAT you want right in New York City. Pony mixers, post mixers, Day sifter-mixers, portable mixers, revolvators, jacketed kettles, tanks, three-roller mills, dough mixers. Storms-Harvey Equipment Co., 123 Bleecker street. SPring 7-8955.

Equipment Offered

FOR SALE. Will sacrifice. New 20" water cooled Buhr stone mill with mixing hopper. Fifteen gallon pony mixer, several lead mixers. Laboratory mill and mixer. Laboratory oven. Portable electric paint mixer. Also wanted to purchase large putty chaser. BOX 548, Oil, Paint and Drug Reporter.

Manufacturing Wanted

WELL ESTABLISHED concern with plants in east and middle west, manufacturing chemical specialties, interested in securing new items to manufacture. Bulk products preferred. BOX 542, Oil, Paint and Drug Reporter.

Materials Offered

"CALUX" LUMINOUS paint - pigment. Tested oil, varnish, lacquer vehicles. A sensational, odorless, luminous paint has arrived. Highest power ever produced. Shines throughout night. Numerous commercial uses. Sole American producers. American Luminous Products Company, Huntington Park, California.

PULVERIZED STEEL, regular supply. Can you develop a use for it? Write for samples. BOX 552, Oil, Paint and Drug Reporter.

Materials Wanted

WILL BUY any quantity surplus or by-product chemicals, greases, waxes, oils, solvents, colors, metal and all raw materials. We pay highest prices. Will also buy complete plant inventory. Write Barclay Chemical Company, Inc., 75 Varick street, New York City. WAlker 5-4250.

New Products Wanted

LARGE COMPANY, actively engaged in the manufacture and sale of basic drug, pharmaceutical, biological, medicinal, chemical, and associated products, desires to obtain manufacturing and sales rights for new products. Prefers products which can be sold in bulk and in large quantities. BOX 441, Oil, Paint and Drug Reporter.

Positions Vacant

VARNISH CHEMIST — Thoroughly conversant with the development and production of synthetic resin varnishes. Excellent opportunity for man who can produce results. Apply by letter only, stating in detail, education, experience, etc. The Ferbert-Schorndorfer Company, 12815 Elmwood avenue, Cleveland, Ohio.

SUPERINTENDENT for small tar distilling plant in the South, capable of constructing, operating and maintaining fire and steam stills and making general lay-out of plant; also able make routine laboratory tests. Must be thoroughly experienced and willing to work hard to create worthwhile position for himself. Give full history and salary expected in first letter. BOX 536, Oil, Paint and Drug Reporter.

HIGH-GRADE PAINT salesman wanted, by old, well established, full line eastern manufacturer. Applicant must be capable of opening new dealer accounts and cooperating with and developing other salesmen. Good salary and expense basis with real opportunity for the right man. State age and experience and references fully. All replies treated in strict confidence. BOX 543, Oil, Paint and Drug Reporter.

Positions Wanted

CHEMIST and chemical engineer, B.S., Ch.E., age 24, experience in heavy process equipment contact work, paint and chemical houses. Seeking connection with Eastern pigment, oil or chemical machinery concern. BOX 527, Oil, Paint and Drug Reporter.

PAINT CHEMIST. Thirteen years experience as superintendent, formulator and laboratory control in manufacturing all types industrial, railroad, marine and shelf goods. Desires permanent connection with reliable firm. References available. BOX 541, Oil, Paint and Drug Reporter.

MANUFACTURING CHEMIST who has made fruit juices, carbonated beverages and flavoring extracts. BOX 545, Oil, Paint and Drug Reporter.

Positions Wanted

PHARMACEUTICAL CHEMIST having six years' post graduation practical work. BOX 546, Oil, Paint and Drug Reporter.

OPERATOR and chemist with plant control work in paints, lacquers and varnish; also silk processing. BOX 547, Oil, Paint and Drug Reporter.

SALESMAN, 30, enterprising, perseverant. Desires position reputable firm. Executive chemical and six years outside sales experience. Now employed as druggist. Can produce results. BOX 549, Oil, Paint and Drug Reporter.

Processes Wanted

PROCESS WANTED for making 83 percent Petroleum Oil Non-Soap Emulsion, that will pour easily, and not be "broken" by severe freezing. BOX 551, Oil, Paint and Drug Reporter.

Services Wanted

INFORMATION WANTED on a method for the manufacture of an internal emulsifier of the non-soap variety to be added to petroleum oil. The final product should contain not less than 95 percent petroleum oil, be stable on freezing, and should emulsify readily when poured into water. BOX 550, Oil, Paint and Drug Reporter.

Surplus Stock

CHECK INVENTORIES—Cash for any quantity surplus finished or raw material —chemicals, oils, coaltar products, metals, drugs, pharmaceuticals, gums, wastes and by-products. Entire plants bought. Chemical Service Corp., 237 Fourth avenue, New York. STuyvesant 9-0134.

Wood Specialties

SAWDUST and inlaid wood products. Sawdust for all uses; also sell inlaid natural wood products—ash trays, chip racks, waste baskets, thermometers, cigarette cases, letter openers, paper weights, pipe racks, and tie racks. Write for quotations. Also manufacture green sweeping compound for all kinds of floors. National Sawdust Co., Inc., 69 North 6th street, Brooklyn, N Y.

REBUILT MACHINERY SELECTED ITEMS

16—Pebble Mills, porcelain and silex lined, 10 to 1,000 gals., some with roller bearings.
5—Colton Stokes & Mulford Tablet Machines, ½" to 2" dia.
2—500 gal. Aluminum Jack. Agit. Kettles.
2—26" Tolhurst Extractors, rubber lined baskets.
10—Dry Powder Mixers, 100 lbs. to 2,200 lbs. capacity.
1—Colton No. 10 worm type Paste Filler.
5—Day Pony Mixers, 8, 15 and 40 gals.
8—Paste Mixers, 50 to 100 gals.
1—700 gal. Duriron Jack. Kettles, closed.
2—W. & P. Jack. Mixers, 200 gal., power tilting, sigma blades.
25—Filter Presses, 6" to 42" size.
3—Buffalo 32"x90" Double Drum Atmospheric Dryers.
2—W. & P. Jacketed Mixers, 100 gal., power tilting, heated sigma blades.
9—Devine and Buffalo Vacuum Shelf Dryers, assorted sizes.
8—Copper and Aluminum Jacketed Kettles, 175 to 400 gals.
9—Roller Mills 3x10 up to 16x40.

Miscellaneous: Dryers; Mixers; Filters and Filter Presses; Kettles; Pulverizers; Mills; Grinders; Tanks; Pumps; Boilers; etc. Send for our Bulletins.

CONSOLIDATED PRODUCTS COMPANY, Inc.

15-17-19 Park Row, New York, N. Y. Phone: Barclay 7-0600

Plant: 335 Doremus Ave., Newark, N. J. Cable Address: Equipment

Contracts Awarded

Cellulose Acetate, Transparent: — 2,870 sheets; award to the Rohm & Haas Company, Philadelphia, at $71,837.55, by the Army Air Corps, Wright Field, Dayton, O.; circular 266, opened October 22.

Developing Powder:—Supplies; award to the Eastman Kodak Company, at $1,176.90, by the Procurement Division, Veterans Administration, Washington; procurement 379, opened November 8.

Linseed Oil:—1,625 gallons; award to the Sherwin-Williams Company, Cleveland, at 98.25 cents and 93 cents, by the Army Air Corps, Wright Field, Dayton, O.; circular 279, opened October 21.

Linseed Oil, Raw:—1,000 gallons; award to the Sherwin-Williams Company, Cleveland, at 90 cents, by the Army Air Corps, Wright Field, Dayton, O.; circular 279, opened October 21.

Orange Shellac Varnish: — 1,200 quarts; award to the Woodfinishing Products Company, New York city, at 26 cents, by the Army Air Corps, Wright Field, Dayton, O.; circular 279, opened October 21.

1,000 gallons; award to the Woodfinishing Products Company, New York city, at 71.5 cents, by the Army Air Corps, Wright Field, Dayton, O.; circular 279, opened October 21.

Paint:—770 gallons; award to the Industrial Paint Company, Haysville, Pa., at $1.16 and 92.6 cents a gallon, by the Springfield Armory, Mass.; procurement 37, opened October 7.

Paint, White, Ready-Mixed:—650 quarts; award to the Jaegle Paint & Varnish Company, Philadelphia, at 43 cents, by the Army Air Corps, Wright Field, Dayton, O.; circular 279, opened October 21.

1,900 gallons; award to the Jaegle Paint & Varnish Company, Philadelphia, at $1.45, by the Army Air Corps, Wright Field, Dayton, O.; circular 279, opened October 21.

Paint, Yellow, Ready-Mixed:—650 gallons; award to the Jaegle Paint & Varnish Company, Philadelphia, at $1.60, by the Army Air Corps, Wright Field, Dayton, O.; circular 279, opened October 21.

Spar Varnish, Aircraft, Water-Resisting:—3,400 gallons; award to the Varcraft Works, Pottstown, Pa., at $1.02 and 91 cents, by the Army Air Corps, Wright Field, Dayton, O.; circular 279, opened October 21.

Continental Can Earnings For Year at $8,589,430

Continental Can Company reports a net income for the twelve months ended September 30 of $12,914,471, which after providing $4,325,041 for depreciation and Federal income tax, left net earnings of $8,589,430, equivalent to $3.01 a share on 2,853,971 shares of $20 par value common stock outstanding at September 30th, 1937.

The above earnings give effect to the lower can prices applying since January 1, 1937, and in addition reflect the full amount of the special adjustment amounting to approximately $2,500,000 made in the final quarter of 1936 to cover refunds resulting from price adjustments applying to sales subsequent to June 19th, 1936, the effective date of the Robinson-Patman Act.

Zinc Resinates Outlined Before Cleveland P.V.P.C.

At the regular monthly meeting of the Cleveland Paint and Varnish Production Club, November 19, Edwin Edelstein, formerly president of the club, and now in charge of paint research at the Pensacola, Fla., plant of Newport Industries, gave an address on the subject of zinced rosins, or zinc resinates, dealing with the special Newport products "Zinol" and "Zitro." After describing these products and a number of tests of their utilization, he stated the following conclusions:—

1. Chemically equivalent amounts of zinc do definitely impart as marked an increase in the wetting properties of ester gum varnishes as lead, when the lead is introduced as lead acetate added on the upheat. When the lead is introduced as lead naphthenate added to the varnish after thinning it has the opposite effect on the wetting properties of the varnish and produces enamels of a more puffy body.

2. Lead had a deleterious effect on the floating of the olive drab enamel while zinc went a long ways toward eliminating floating tendencies.

3. Neither lead nor zinc will give the best results in pigment suspension unless used in the proper concentration for the pigment or pigments on test. This was brought out very clearly in the case of the Chinese blue enamels where the straight "Zitro" resin varnish, containing 2.5 percent zinc, kept the Chinese blue up in suspension much longer than the ester gum varnish containing .8 per cent zinc. The opposite was true in the case of other series of enamels made with Titanox "C" and the olive drab combination.

4. The zinced varnishes and enamels as a group set up a little slower than the leaded varnishes but took about the same time to dry hard. These varnishes and enamels gave films of superior through dryness.

Alkali resistance decreases with increasing amounts of zinc or lead. This is especially noticable in the longer oil lengths.

Increasing amounts of lead or zinc cooked into the varnish improve its gas proofness, probably because of the longer bodying time needed to produce the same viscosity.

5. Zinc will probably act like lead to impair the durability of these varnishes and enamels if the alkali resistance test results can be taken as indicators of resistance to weathering. Our exposure panels are not old enough at this time to draw any accurate conclusions in regard to weather resistance. This information will necessarily have to be given out at a later date.

6. The leaded ester gum varnishes and enamels wrinkled badly whereas the zinced ester gum and straight "Zitro" resin varnishes and enamels had no such shortcoming. Zinc helped to improve the gloss and resistance to skinning of the ester gum varnishes and enamels much more than lead.

Further work will be done to determine the effect of "Zitro" resin on pure and modified phenolic varnishes as well as those containingg various percentage of alkyd resin.

It was suggested that the next meeting of the club be a combined Christmas party with the Cleveland Paint, Varnish and Lacquer Association. The suggestion was heartily approved and plans will be made and announced shortly.

Rudd Lacquer Opens New Plant

Rudd Lacquer & Sealer Corporation, this city, reports that it has set up a modern lacquer factory at Rahway, N. J., specializing in the manufacture of clear lacquers and sealers for the furniture and woodworking industry, and such other lacquers and sealers as the trade may demand. The plant has a capacity of 6,000 gallons per day. J. F. Rudd, who will have complete charge of the plant, has had twenty years experience in the field.

Marc Buchbinder, New Jersey representative of the A. C. Horn Company, paint manufacturer, was elected president of the New Jersey Travellers' Association November 19.

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